

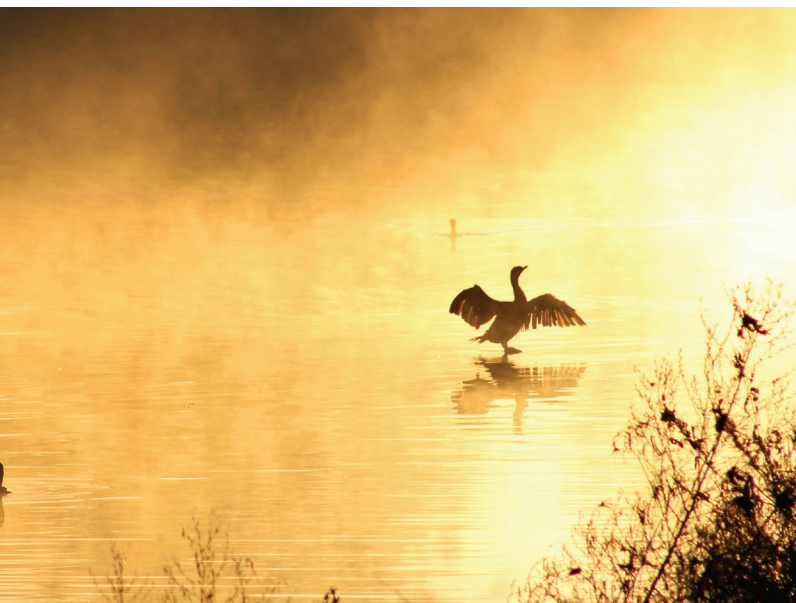


SAN ANTONIO  
RIVER AUTHORITY

*A political subdivision of the State of Texas.*

# ANNUAL BUDGET DETAIL

*Fiscal Year 2019-2020*



## **COVER IMAGES**

**Upper Left Photo by Peter Joseph Hernandez**  
*2018 Mission Reach 5th Anniversary Photo Contest*  
Wildflowers & Pollinators Category Winner

**Lower Left Photo by Louis Uranga**  
*2018 Mission Reach 5th Anniversary Photo Contest*  
Birds Category Winner

**Right Photo by Lorena Gamez**  
*2018 Mission Reach 5th Anniversary Photo Contest*  
Student Category Winner

# Vision

*Inspiring Actions for Healthy Creeks and Rivers*

# Mission

*Committed to Safe, Clean, Enjoyable  
Creeks and Rivers*





SAN ANTONIO  

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RIVER AUTHORITY

**SAN ANTONIO RIVER AUTHORITY  
TEXAS**

**ANNUAL BUDGET AND WORK PLAN**

**July 1, 2019 - June 30, 2020**

Presented to the  
**Board of Directors**

<u>Name</u>	<u>Title</u>	<u>County</u>
Darrell T. Brownlow, Ph.D.	Chairman	Wilson County
Michael W. Lackey, P.E.	Vice-Chair	Bexar County, District 3
Lourdes Galvan	Secretary	Bexar County, District 2
Jim Campbell	Treasurer	Bexar County, District 4
James Fuller	Executive Committee Member	Goliad County
Gaylon J. Oehlke	Executive Committee Member	Karnes County
Alicia Lott Cowley		Goliad County
John J. Flieller		Wilson County
Jerry G. Gonzales		Bexar County, District 1
Hector R. Morales		Bexar County, At-Large
Deb Bolner Prost		Bexar County, At-Large
H.B. "Trip" Ruckman III		Karnes County

**Management Team**

<u>Name</u>	<u>Title</u>
Suzanne B. Scott	General Manager
Stephen T. Graham, P.E.	Assistant General Manager
John A. Chisholm III	Director of Operations
Allison Elder	Director of Legal Services
Bruce E. Knott, MHR	Director of Human Resources
Steven J. Raabe, P.E.	Director of Technical Services
Steven Schauer	Director of Government and Public Affairs
Rick Trefzer, CMA	Director of Support Services
Melissa Bryant, P.E.	Environmental Sciences Manager
Amy Middleton, P.E.	Utilities Manager
Kristen Hansen	Watershed and Park Operations Manager
Brian Mast	Intergovernmental Manager
Abigail Bush, P.E.	Watershed Engineering Manager
Connie Real	Real Estate Manager
Alexander Rodriguez	Information Technology Manager
Jennifer Skiver, CPA, CMA	Accounting and Budget Services Manager

**PREPARED BY:**

Colleen Belmore, Support Services Administrator

Kevin Boeck, Senior Budget Analyst

Bruce Knott, Director of Human Resources

Shelly Martin, Utilities Business Coordinator

Sally Medellin, Budget Analyst

Jennifer Skiver, Accounting and Budget Services Manager

Rick Trefzer, Director of Support Services

Sandy Yturri, Budget Analyst



SAN ANTONIO  

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RIVER AUTHORITY

**SAN ANTONIO RIVER AUTHORITY  
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SAN ANTONIO  

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RIVER AUTHORITY



May 6, 2019

To the San Antonio River Authority Board of Directors:

The San Antonio River Authority's FY 2019/20 Adopted Budget and Work Plan is presented for your consideration. The Adopted Budget continues to support the mission, goals and objectives of the San Antonio River Authority's (River Authority) approved Strategic Plan. Projects and departmental operating activities included in the work plan for FY 2019/20 provide services to the citizens and stakeholders throughout the district.

Staff began the budget development process with strategic planning sessions that built upon our current Strategic Plan and continue to work at bringing a stronger connection between our actions, including projects and operational activities, and our Strategic Plan. The overall plan's vision, mission and goals remain unchanged for FY 2019/20. Staff focused primarily on validating the objectives and building upon the actions that produce results toward executing the plan. Additionally, updates to our agency strategic opportunities were made to identify areas for us to actively monitor that may result in future initiatives which align with expanding or enhancing our mission.

The Strategic Plan summary and annual action plan developed to meet agency goals and strategic opportunities are detailed within the objectives in the Strategic Plan summary and provided in the Budget Overview section. Progress toward the objectives is tracked quarterly and reported to the various Board of Directors (Board) committees. The vision and mission of the River Authority are included directly below.

Vision Statement

Inspiring Actions for Healthy Creeks and Rivers

Mission Statement

Committed to Safe, Clean, Enjoyable Creeks and Rivers

EXECUTIVE  
COMMITTEE



CHAIRMAN

*Darrell T. Brownlow, Ph.D.*

VICE CHAIRMAN

*Michael W. Lackey, P.E.*

SECRETARY

*Lourdes Galvan*

TREASURER

*Jim Campbell*

MEMBERS AT-LARGE

*Gaylon J. Oehlke*

*James Fuller, M.D.*



BOARD OF DIRECTORS

BEXAR COUNTY

DISTRICT 1

*Jerry G. Gonzales*

DISTRICT 2

*Lourdes Galvan*

DISTRICT 3

*Michael W. Lackey, P.E.*

DISTRICT 4

*Jim Campbell*

AT-LARGE

*Hector R. Morales*

*Deb Bolner Prost*

WILSON COUNTY

*Darrell T. Brownlow, Ph.D.*

*John J. Flieller*

KARNES COUNTY

*H.B. Ruckman, III*

*Gaylon J. Oehlke*

GOLIAD COUNTY

*James Fuller, M.D.*

*Alicia Lott Cowley*



GENERAL MANAGER

*Suzanne Scott*

## **Priorities and Key Initiatives**

The River Authority continues to work towards establishing and building upon public and private partnerships to leverage its resources for the benefit of the district. This Adopted Budget demonstrates several instances of using external funding sources to advance projects and the existing levels of service. A prime example of this is demonstrated by the continued service in a project manager role for several major capital improvement projects, to include San Pedro Creek Culture Park and Escondido Creek Parkway. Efforts such as these highlight the River Authority's ability to coordinate and execute across multiple community partners.

The Utility enterprise has a variety of new initiatives within this Adopted budget. Significant items include, but are not limited to, anticipated funding for the expansion of the Salitrillo Wastewater Plant, increased coordination and collaboration with developers within our service areas, the acceleration of federal funding in support of our Replacement and Renewal projects on Randolph Air Force Base, and the first full year of operations at the Martinez IV Wastewater Plant. Additionally, Utility staff will be working to execute opportunities that optimize management and operation of the wastewater systems through the information provided within the recently completed utility business development plan. FY 2019/20 will be a very active year as we aim to increase and improve our service delivery.

Included in the FY 2019/20 Adopted Budget are resources that support moving forward with recommendations which provide funding to initiate a multiple year effort to complete the improvement, acquisition and development of strategic properties for the River Authority. These investments come after a comprehensive evaluation of space needs and opportunities to improve operational efficiencies for the organization. To begin addressing long term facility needs the Adopted budget has initial funding for the planning and phased implementation of necessary improvements at the Guenther headquarter facility and acquisition of an administration building. Additionally, the River Authority is anticipating the opening of the Escondido Creek Parkway Park and continues to explore new partnerships that leverage our role and ability to maintain public parks which seek to improve quality of life and provide recreation opportunities. Other important activities supported through this Adopted budget include: increasing community involvement and commitment to River Authority parks; laboratory services; watershed modeling, master planning, and prediction of watershed behavior; operation and maintenance of forty-one flood control dams; wastewater collection and treatment; scientific and spatial data collection and analysis, to include Geographic Information System (GIS); making our

information and data accessible and useful to our partners and citizens. These contributions to the communities and watersheds drive the annual work plan and budgeted resources.

FY 2019/20 is the second year for several key initiatives that were launched in the FY 2018/19 Adopted Budget. Past events such as Hurricane Harvey and other community initiatives significantly informed the FY 2018/19 Adopted Budget. This led to a multi-year commitment to improve our capabilities specifically in the areas of floodplain mapping, predicting flooding, low impact development (LID), water quality modeling, and recreation. The continuation of funding for these projects was a top priority as the Adopted budget was developed.

The challenge continues to be balancing current and future funding needs as decisions are made in support of the vision and mission of the River Authority. The River Authority has built the FY 2019/20 Adopted Budget based on a tax rate of \$1.858 per \$100 of property valuation. This rate is unchanged from the existing rate and falls below the rollback rate even as property values continue to grow across the district. The River Authority's property tax rate is capped at two cents per \$100 valuation. The River Authority is closely monitoring legislative initiatives to reduce the property tax rollback rate from eight percent that could impact future service delivery and/or other opportunities.

## **Budget Overview**

The FY 2019/20 Adopted Budget for the River Authority contain total appropriations of \$257,202,018 across all funds. This includes expenditure appropriations as well as all projected reserve balances. This represents an increase from the FY 2018/19 Adopted Budget mainly due to another sharp increase in funding associated with capital improvement projects, such as the Salitrillo Wastewater Treatment Plant expansion and San Pedro Creek Culture Park. Revenues supporting this appropriation are primarily generated through a flat property tax rate, increases in charges for service within the Utility enterprise, anticipated bond issuance(s), and external funding arrangements.

The FY 2019/20 appropriation total of \$257,202,018 includes reserves of \$40,231,724 that meet our fund balance policy targets. Expenditures across all funds total \$216,970,294. This includes \$39,049,975 in the General Fund, \$146,591,962 for Capital Improvement Funds (all expenditure categories), \$3,550,811 for the Debt Service Fund (additional funds possess debt service payments), and \$27,777,546 for all other expenditures. Revenues for FY 2019/20 are \$196,299,864 when all funds are included. Of this amount, \$36,506,462 are General Fund revenues. Other major revenue sources include utility charges for

services of \$15,198,876, grant funding of \$5,839,718, and other intergovernmental revenue of \$101,468,799, which primarily is provided from River Authority funding partners for projects accounted for in Capital Improvement Funds. The remaining revenue sources amount to \$37,286,009 across various categories and funds.

## **General Fund**

Property value changes are projected to vary by county with three counties showing an increase in value: Bexar County 2019 values have been estimated by the Bexar Appraisal District to increase by over 9 percent. The Adopted Budget includes increase values of 6.5 percent for Bexar County as protests can affect the final certified values. Goliad County represents the highest increase for 2019 at an estimated 15 percent increase in preliminary values, and Karnes County represents an estimated 3.7 percent increase in values, while Wilson County is again reporting a slight decrease in preliminary values. All of the preceding information is based on preliminary information provided by the appraisal district for that county as of April 30, 2019.

Revenues for the General Fund for FY 2019/20 are projected to increase by approximately 6 percent to \$34,506,462. This is a result of an estimated increase in property tax (Taxes, Penalties and Interest) of 7 percent, to \$33,361,485 - 91 percent of the total. The other major sources that make up the projected revenues are support fees and charges for service at \$1,939,977 and \$515,000 respectively. Support fees are generated by the Utility enterprise in exchange for services provided by General Fund staff (human resources, finance, facilities, Intergovernmental and Community Relations, etc.), while charges for services is produced by fees for services through our accredited laboratory and water sales.

The General Fund appropriations support personnel expenses, operations expenses, such as supplies and contractual services; and capital outlay for equipment purchases and other major improvements. The Adopted budget represents a 3 percent increase in expenses as compared to the previous adopted budget. Four new positions and two Limited Term Employees are requested as new resources in the Adopted budget. These positions are described within the New Resources document located in the Budget Overview section. Personnel related costs are a major component of the River Authority's General Fund operating budget. In the General Fund, staff related expenditures (salary and benefits) represent 58 percent of the total operating budget. Of the Adopted expenditure budget, \$5,529,160 of General Fund revenue is appropriated through a transfer to support the SARA Project Fund which accounts for 38 authorized projects, 35 of which began prior to FY 2019/20 and are carried forward into next fiscal year.

## **Projects**

The River Authority has 61 active projects across the General Fund, Park Resources Development Fund, Grants Fund, Utility enterprise funds and other capital project funds, in the FY 2019/20 budget. The projects are coordinated across four Strategic Plan Goals managed by assigned Goal Leaders. Goal Leaders develop annual objectives, report progress and are accountable to the executive staff for achieving programmatic results.

For FY 2019/20, 38 projects are adopted within the SARA Project Fund. The total additional funding for these projects in FY 2019/20 is \$5,529,160, representing a slight increase from the previous adopted budget. Each of these projects helps further the River Authority's mission and supports the Strategic Plan included within the index section of the budget document. The projects' activities are focused regionally, expand the River Authority's expertise, promote appreciation of the river, and advance sustainability and environmental stewardship. These projects are available for review on the project list provided in the Project Section.

## **Utility Operating Funds**

The River Authority wastewater utility systems work to provide high quality services – protecting the water quality of the San Antonio River and its tributaries – while managing rates. This challenge grows as the infrastructure in the system ages. During the FY 2019/20 budget process, staff spent time further developing the ten year capital improvement plan for the Utility and implementing strategies aimed at ensuring that funding is available to support the renewal and replacement of our wastewater treatment plants while being very conscious of the change in rates charged to customers for services.

### SARA Wastewater System

The San Antonio River Authority (SARA) Wastewater System Operating Fund's expenditures for FY 2019/20 total \$10,984,215, a decrease as compared to the FY 2018/19 Amended Budget. The revenues for the fund are \$10,633,210 for FY 2019/20, an increase of \$356,000 or 3 percent in comparison to the FY 2018/19 Amended Budget.

The adopted rates aim to provide sufficient funds to pay increased debt expense and fairly flat operating expenses. In addition, a transfer into the SARA Wastewater System Construction and Improvements Fund of \$2,900,000 is budgeted to help fund current and future capital improvement projects identified in the ten year capital improvement plan.

No new staffing is funded for the utility systems. New and replacement equipment and other new resources are funded in the SARA Wastewater System at a total cost of \$259,900, a reduction from the prior year.

Rates for the SARA Wastewater System are increasing, with a net impact to the residential customer of 2.2 percent, based on the Adopted change in rate and applying the new system winter average to FY 2019/20 rates. The revenue is sufficient to cover all operating costs of the system.

### Salitrillo Wastewater System

For FY 2019/20, the Salitrillo Operating Fund's expenditures total \$6,153,077, an increase of over \$850,000 or 16 percent in comparison to the FY 2018/19 Amended Budget. Increased expenditures are solely a result of budgeting a transfer of \$2,500,000 to the Salitrillo Wastewater System Construction and Improvements Fund for current and future capital projects. This has been a multiple year strategy to anticipate major capital improvement expenses on the horizon. In this next fiscal year, staff is expected to advance activities related to the wastewater plant expansion. Given current flows to the Salitrillo plant and other factors, it has been determined that it is in the best interest of the system to ensure the ability to provide reliable and quality services.

Revenues for FY 2019/20 in the Salitrillo Operating Fund are \$5,852,668, reflecting a \$753,373 or nearly 15 percent increase from the FY 2018/19 Amended Budget. This is primarily driven by Adopted rate increases necessary to improve the cash position and ability to fund the ten year capital improvement plan for the Salitrillo System.

Rates for the Salitrillo Wastewater System are also budgeted to increase, with a net impact to the residential customer of 16.5 percent, based on the Adopted change in rate and applying the new system winter average to FY 2019/20 rates. The current rates for the Salitrillo system are among the lowest in the Bexar County and surrounding areas. Even with the rate increase, the Salitrillo system rates will continue to be among the lowest in the surrounding communities.

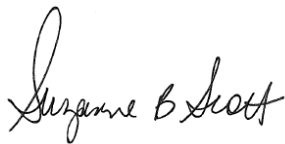
The River Authority will continue to work with the partner cities in this system – Live Oak, Converse and Universal City – to implement agreed upon strategies to invest in and reduce inflow and infiltration into the system caused by aging collection system infrastructure.




All the utility operating funds meet the target fund balance requirement of three months operating expenditures net of transfers and project costs.

### **Conclusion**

The River Authority continues our commitment to Safe, Clean, and Enjoyable Creeks and Rivers. Through our comprehensive and deliberate budget process and collaboration with the board of directors, we believe this Adopted Budget positions the River Authority well to advance the mission of our agency. In all that the River Authority does, we strive to provide valued public service, be accountable to our constituents, and be good fiscal stewards of the public resources with which we are entrusted.



SUZANNE B. SCOTT  
General Manager



STEPHEN T. GRAHAM  
Assistant General Manager



RICK TREFZER



**VISION:**

INSPIRING ACTIONS  
FOR HEALTHY CREEKS  
AND RIVERS

**MISSION:**

COMMITTED TO SAFE,  
CLEAN, ENJOYABLE  
CREEKS AND RIVERS

**CORE VALUES**



**STEWARDSHIP**



**INTEGRITY**



**EXCELLENCE**



**AGENCY GOALS**

**WHAT SETS US APART:**

- ◆ Action oriented, engaged and informed elected Board of Directors.
- ◆ Innovative, sustainable, collaborative, and results-oriented solutions.
- ◆ Experts in watershed management and ecology.
- ◆ Caring, dedicated and passionate people providing responsive public service.

**WE SERVE:**



APRIL 4, 2019



**Advance Science and Engineering Expertise and Data** – Through research data, tools and models, SARA will continue to serve as the lead agency providing technical and science based information and solutions to advance our mission.



**Enable Policy, Projects, and Actions** – Apply SARA's expertise and resources to influence, develop, and implement recognized and sustainable improvements to the health and safety of our creeks, rivers, estuaries and bays.



**Enhance Community Appreciation and Recreation** – Enhance community appreciation by supporting engagement with our creeks and rivers to ensure that these resources contribute to the quality of life of all residents.



**Maximize Strategic Use of Resources** – Diversify and leverage funding, technology, and people (employees, partners, community) to strengthen business processes and SARA service delivery.



**Inspire Employees and Build Expertise** – Emphasize the value SARA places on its employees, focus on people services, improve service efficiencies and the expertise that sets us apart from other organizations.

# ANNUAL OBJECTIVES



**Advance Science and Engineering Expertise and Data** • Through research data, tools, and models, SARA will continue to serve as the lead agency providing technical and science based information and solutions to advance our mission.

- ◆ Target Investments to maintain SARA's technical leadership in flood, water quality and ecosystem modeling, mapping and analysis; and watershed master planning.
- ◆ Advance the capability for consumers to easily access and use models, data and master plans through development of tools.



**Enable Policy, Projects and Actions** • Apply SARA's expertise and resources to influence, develop, and implement recognized and sustainable improvements to the health and safety of our creeks, rivers, estuaries and bays.

- ◆ Target investments in projects and incentives that result in quantifiable water quality benefits.
- ◆ Promote healthy ecosystems through proactive ecological restoration projects.
- ◆ Proactively address the threats to creeks and rivers.
- ◆ Drive adoption of sustainable design and development policy.



**Enhance Community Appreciation and Recreation** • Enhance community appreciation by supporting engagement with our creeks and rivers to ensure that these resources contribute to the quality of life of all residents.

- ◆ Increase positive public awareness of and engagement with SARA.
- ◆ Grow the use of SARA parks and trails.
- ◆ Engage with community partners to expand recreational opportunities



**Maximize Strategic Use of Resources** • Diversify and leverage funding, technology, and people ( employees, partners, community) to strengthen business processes and SARA service delivery.

- ◆ Pursue implementation of the facilities improvement and expansion plan.
- ◆ Increase service delivery of the utility enterprise.
- ◆ Improve service delivery of the utility enterprise.
- ◆ Review and update business processes and practices that mitigate organization risk.
- ◆ Ensure GIS data, applications and guidance documentation are easily accessible, intuitive and user-friendly, for both internal and external customers.



**Inspire Employees and Build Expertise** • Emphasize the value SARA places on its employees, focus on people services, improve service efficiencies and the expertise that sets us apart from other organizations.

- ◆ Advance the River Authority's culture by improving employee resiliency through programs that support employees personally and professionally.
- ◆ Develop and implement a SARA training program that improves ease of use and employee experience of technology and other resources.
- ◆ Implement organization wide processes that assist with human capital management (capacity planning).

# STRATEGIC OPPORTUNITIES

1. Influence behaviors through education, advocacy and mitigation projects to achieve trash-free waters
2. Continue to advance SARA's participation and influence in capital projects along creeks and rivers
3. Engage in actions to protect and conserve the habitat of the San Antonio Bay
4. Strategically position the Utilities Enterprise to support growth within existing and new service areas
5. Position the River Authority as a leader in advancing sustainability development practices
6. Improve water quality to support designated public swimming opportunities within creeks and rivers
7. Engage in the state flood planning process to maximize the benefits to the district

**Bexar County  
At Large**  
Hector R. Morales



**Bexar County  
At Large**  
Deb Bolner Prost



**Bexar County  
District 3**  
Michael W. Lackey, P.E.



**Bexar County  
District 4**  
Jim Campbell



**Wilson County**  
John J. Flieller



**Bexar County  
District 2**  
Lourdes Galvan



**Karnes County**  
H.B. Ruckman, III



**Bexar County  
District 1**  
Jerry G. Gonzales



**Goliad County**  
James Fuller, M.D.



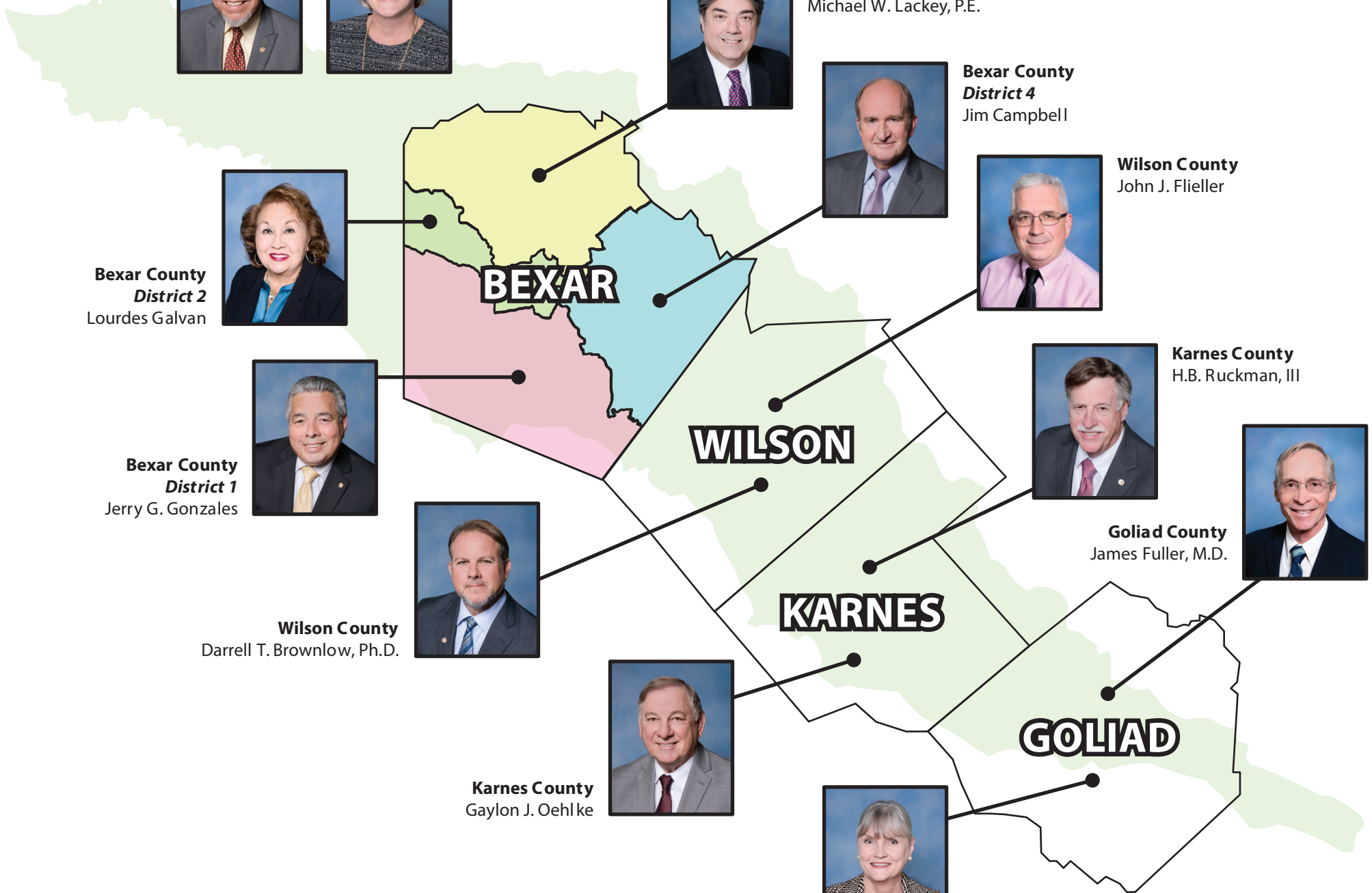
**Wilson County**  
Darrell T. Brownlow, Ph.D.



**Karnes County**  
Gaylon J. Oehlke

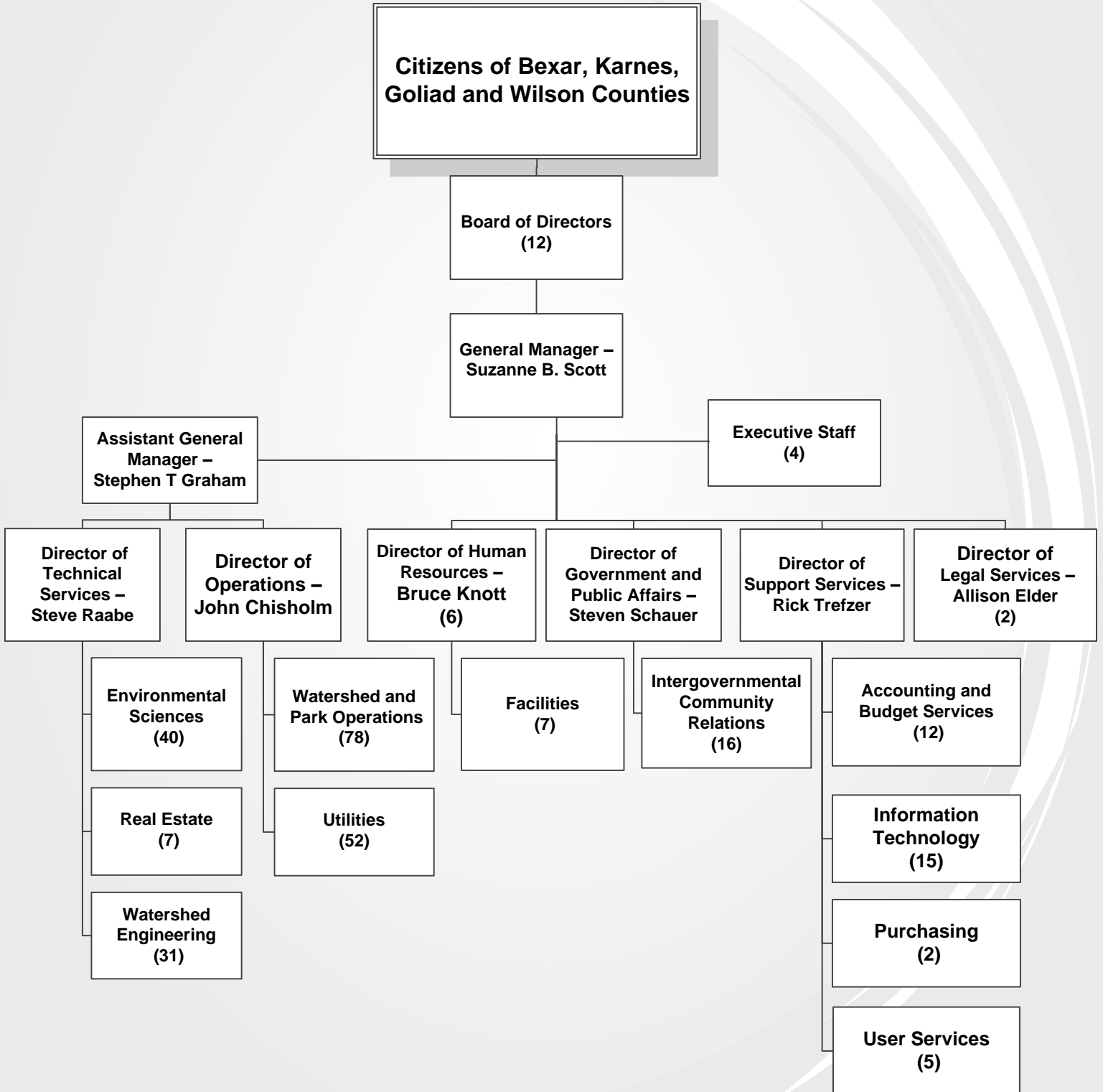


**Goliad County**  
Alicia Lott Cowley





**SAN ANTONIO  
RIVER AUTHORITY**





SAN ANTONIO  

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RIVER AUTHORITY



GOVERNMENT FINANCE OFFICERS ASSOCIATION

*Distinguished  
Budget Presentation  
Award*

PRESENTED TO

**San Antonio River Authority  
Texas**

For the Fiscal Year Beginning

**July 1, 2018**

*Christopher P. Morrill*

Executive Director



SAN ANTONIO  

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RIVER AUTHORITY



# Budget Overview



**Photo by Louie Uranga  
2019 River Clicks Photo Contest  
Animals Category Winner**



## Budget Guide

### **Overview**

This overview is designed to assist the reader in the use and comprehension of the San Antonio River Authority's (River Authority) FY 2019/20 Annual Budget Detail book. The Adopted Budget serves as a policy document, a financial tool, a work plan and a communications device for the River Authority. It is the foundation for the River Authority's allocation of resources in support of the mission of "Committed to Safe, Clean, Enjoyable Creeks and Rivers."

The Budget Document is arranged in seven sections that are separated by their respective tabs. Below is a brief description of the materials found in each of the sections:

- Budget Overview
- General Fund
- Utility Funds
- Special Revenue and Other Funds
- Capital Project Funds
- Projects
- Appendix

**Budget Overview** – This section is intended to give the reader a high level overview of the FY 2019/20 Adopted Budget. It contains the Budget Guide, Budget Highlights and Trends, Revenue Details, New Resources, and an All Funds Summary.

**General Fund** – This section is organized by department within the General Government and Program Support and Services functions and is intended to give the reader a better understanding of the kind of services provided by each department. Individual department summaries contain an organizational chart, the department vision and mission, description, appropriations, new resources, fiscal analysis, departmental efforts, and authorized position listing.

**Utility Funds** – This section is intended to give the reader a better understanding of the kind of services provided by Utility Department and the sources of funding that support these services. Individual summaries contain a description, appropriations, new resources, and fiscal analysis. Also included is the department organizational chart, vision and mission statement, and authorized position listing.

**Special Revenue and Other Funds** – This section consists of the River Authority's nine Special Revenue Funds, Debt Service Fund, and Insurance Fund. It is intended that the reader will obtain a high level information about each funding source and the activity taking place in each of these

funds. All grants awarded to the River Authority are captured in the Grants Fund, which is included in this section.

**Capital Project Funds** – This section consists of the River Authority’s fourteen capital project funds, to include River Authority utility capital funds which includes the Utility’s Ten Year Capital Improvement and Renewal and Replacement Program. Within this section the reader will find a description of the fund and the budget information for each project. For more detailed information on specific projects readers can refer to the Projects section of this annual detail budget book.

**Projects** – Sixty-one (61) projects are recognized in the FY 2019/20 Adopted Budget. A detailed project sheet has been included for all projects in this section. The detailed project sheets assist in: identifying the project location, describing the objective of the project, listing the various sources of funding, and delineating the progress in prior years, if applicable. The ‘Adopted Budget’ amount reflected on each page is the total funded project amount. Where staff time is being provided by the River Authority, an estimate of the anticipated labor effort is included in the ‘SARA Contribution’ amount. This amount for River Authority labor is not specifically included in the project’s budget shown in the Draft Annual Budget Detail book for River Authority funded projects.

These projects are assigned to one of five Strategic Plan Goals that are managed by a Goal Leaders with authority to direct the projects within their portfolio. Goal Leaders are responsible for developing annual objectives, reporting progress, and are responsible to the River Authority management staff for achieving programmatic results. These five Strategic Plan Goals include:

- **Advance Science and Engineering Expertise and Data**
- **Enable Policy, Projects, and Actions**
- **Enhance Community Appreciation and Recreation**
- **Maximize Strategic Use of Resources**
- **Inspire Employees and Build Expertise**

**Appendix** – This section is designed to assist the reader in obtaining additional information. It contains the Budget Order, Supplemental Memo to Budget Order, New Resources Listing, Community and Economic Information, Notes Receivables, Position Listing, Pay Plan, a Glossary, and Abbreviations and Acronyms.

## **FY 2019/20 Budget Process**

The graphic below shows the River Authority's planning, forecasting and budget development process as well as the year-long activities that manage and report on the success of the annual budget and program. Each step is described following the graphic.



### **Strategic Planning Process:**

Under the policy and fiscal guidance of the Board of Directors, the River Authority's executive and management team begin the annual budget process with a review and update of the River Authority's Strategic Plan. That process starts by reflecting on past years' results and defining strategic opportunities, challenges, and needs within the River Authority's district in the upcoming years. The process culminates in the development of a Strategic Plan for the fiscal year. The Strategic Plan is presented, discussed and approved by the Board of Directors. The Strategic Plan serves as the foundation for the development of the annual budget and work plan. It includes the River Authority's vision and mission statements, core values, agency goals, annual objectives, strategic opportunities and action items. These objectives, opportunities and action items are reflected throughout the budget development process and budget documents.

### **Financial Planning and Management Process:**

The River Authority's comprehensive Financial Planning and Management Process implements the strategic plan and includes the following activities:

- The River Authority staff prepares and submits a comprehensive ***annual operating budget and work plan that includes capital improvement projects*** in accordance with the River Authority’s strategic plan and the Board’s policy direction. Available funding is allocated to provide the resources needed to accomplish the plan.
- Staff prepares/updates a ten year capital improvement plan for the wastewater utility as well as a ***five year forecast*** for the General Fund to provide the Board with projections of the River Authority’s financial position during this period. The forecast is based on a set of assumptions. If the assumptions change, the forecast will change.
- Departments are held accountable for management and implementation of their budgets and work plans. Finance staff also ***monitors the budget*** to insure that functions and activities stay within the budget appropriations. Staff also reports quarterly to the Board of Directors on the status of the budget versus expenditures as well as on the strategic plan action items’ progress. During the year, if priorities change or new opportunities arise, the budget is amended to reflect these changes.
- At the end of each fiscal year, an outside audit is completed and the ***comprehensive annual financial report (CAFR)*** is prepared and presented

**Budget Amendment Process:**

The annual budget as adopted by the Board of Directors controls expenditures by fund and fiscal year for the General Fund, Utility Operating Funds, most Special Revenue Funds, Debt Service Fund, and Insurance Fund. Some Special Revenue Funds are controlled by project and project life, not fiscal year, and are described below. The Board of Directors must approve any budget adjustment that increases the total appropriation in a Fund for all funds listed above, including those controlled by project and project life. The Board of Directors must also approve any transfer from any reserve account for all funds as well as allocation of budget to a project not approved in the adopted budget.

The Board of Directors has granted limited flexibility to River Authority staff to move budget appropriations within funds to respond to changing project implementation schedules and expenditure levels. Through this process, funds can be moved between *approved* projects, programs and activities to ensure that limited annual funding resources continue to advance efficiently and effectively the initiatives of the River Authority. Under this authority, the General Manager must approve any transfer of funds between departments and/or approved projects within a Fund. The Director of Support Services approves transfers within a department budget and/or approved projects that would move funds between the following categories: Personnel Expenditures, Operating Expenditures, Capital Expenditures, Transfers, Debt Service and Contingency.

The adopted budget is allocated into individual line items in each department and those budget line item allocations are part of the annual adopted budget. Departments have flexibility in expensing these funds within each of the first five categories listed above but not allocations identified as contingency. As long as the total appropriation for a category of expense (e.g. personnel expenses) is not exceeded, one or more line items within the category (e.g. health insurance) may exceed its budget allocation.

*SPECIAL REVENUE FUNDS' EXCEPTIONS:* In the Grants Fund, Park Resources Development Fund, Texas Water Development Board Fund, and the San Antonio Capital Improvements Project Land Sales Fund, appropriations are controlled at the project level and project life, not by fiscal year. As the Board accepts grants, as donations are received from outside sources, and as projects are approved, those proceeds are appropriated and available to departments to expend for identified River Authority purposes and needs. Project funding can be moved from one approved project to another during the fiscal year at the General Manager or authorized designee's discretion. However, funding for a project not approved by the Board of Directors in the adopted budget must be approved by the Board of Directors.

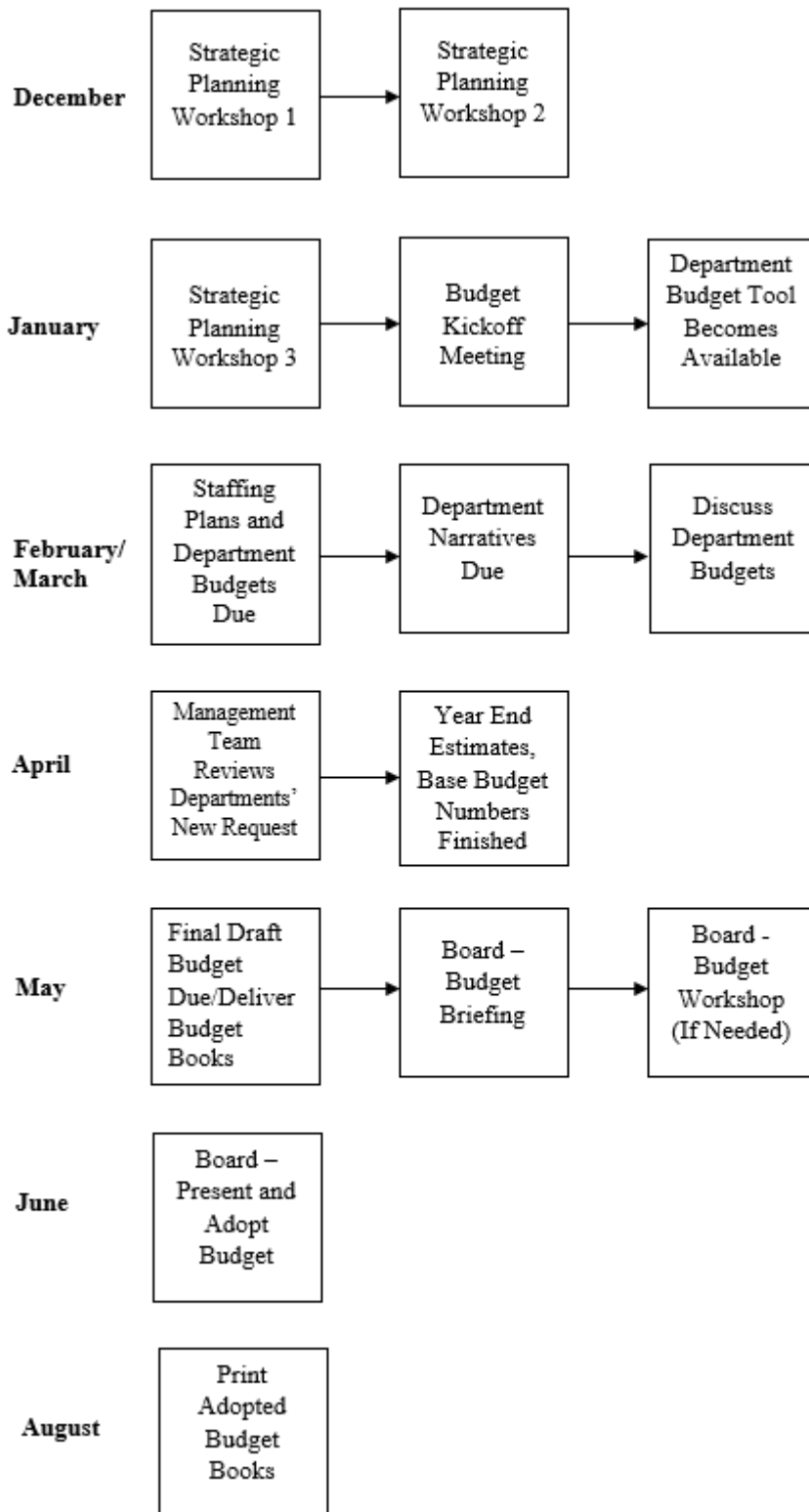
*CAPITAL PROJECT FUNDS*

Capital project and other project funds are controlled at the project level. Expenditures within the individual projects may span fiscal years. However, budgetary control is not exercised by fiscal year; it is by the total project cost and total project expenditures. Project funding can be moved from one approved project to another during the fiscal year at the General Manager or authorized designee's discretion. However, funding for a project not approved by the Board of Directors in the Adopted Budget must be approved by the Board of Directors.

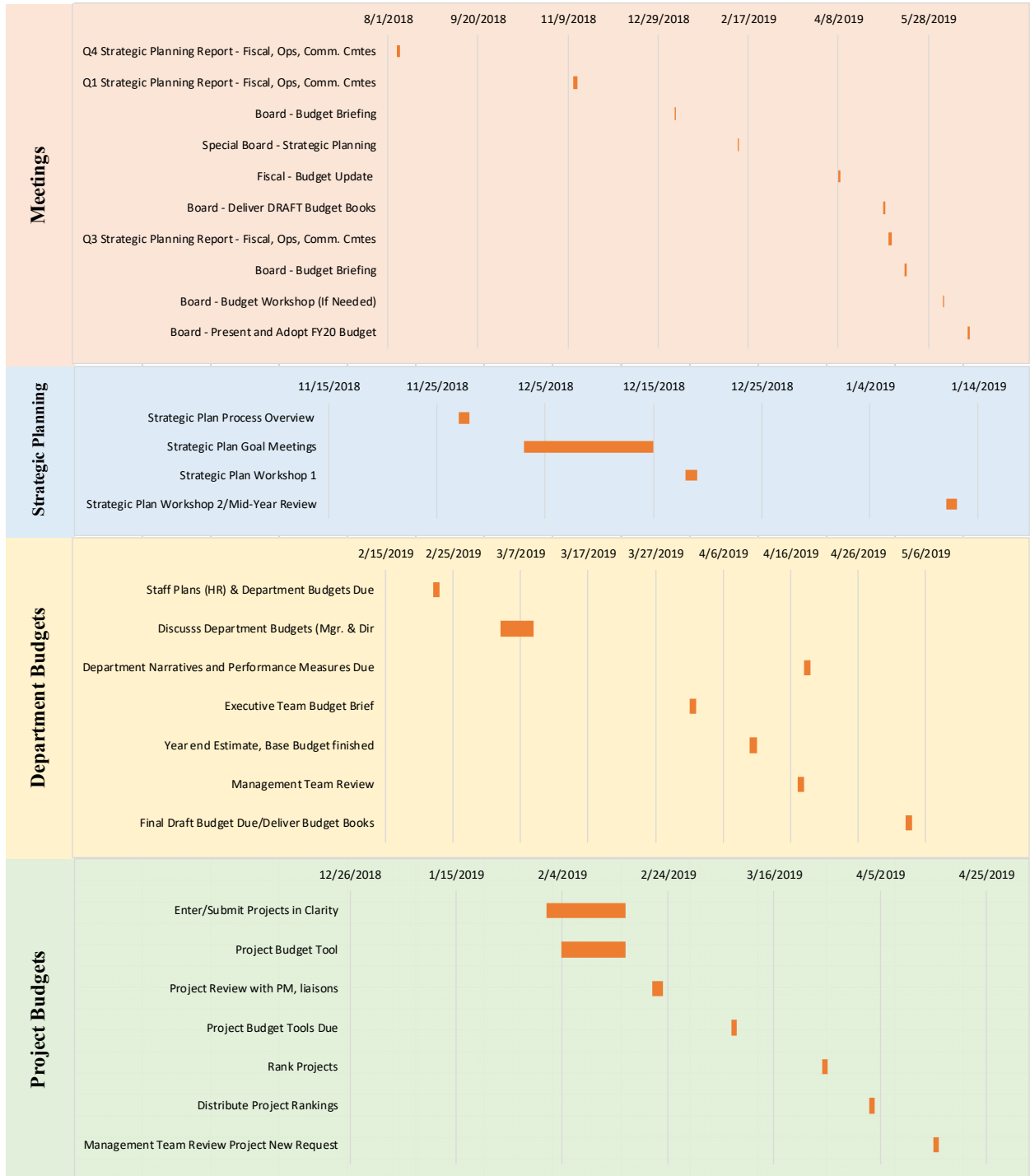
*BUDGET CALENDAR*

The budget process kicks off with Strategic Planning sessions in December. Following strategic planning departments begin building their departmental budgets and work plan while project managers begin the process for proposing a new project or requesting additional funding for an active project. In April the management team reviews the requested budgets and the proposed budget is finalized. The River Authority Board of Director's is given the proposed budget in May and adopts the budget in June. The following is a more detailed general calendar for the budget development process.

## FY 2019/20 Budget Schedule



# FY 2019/20 Budget Development Coordination Calendar

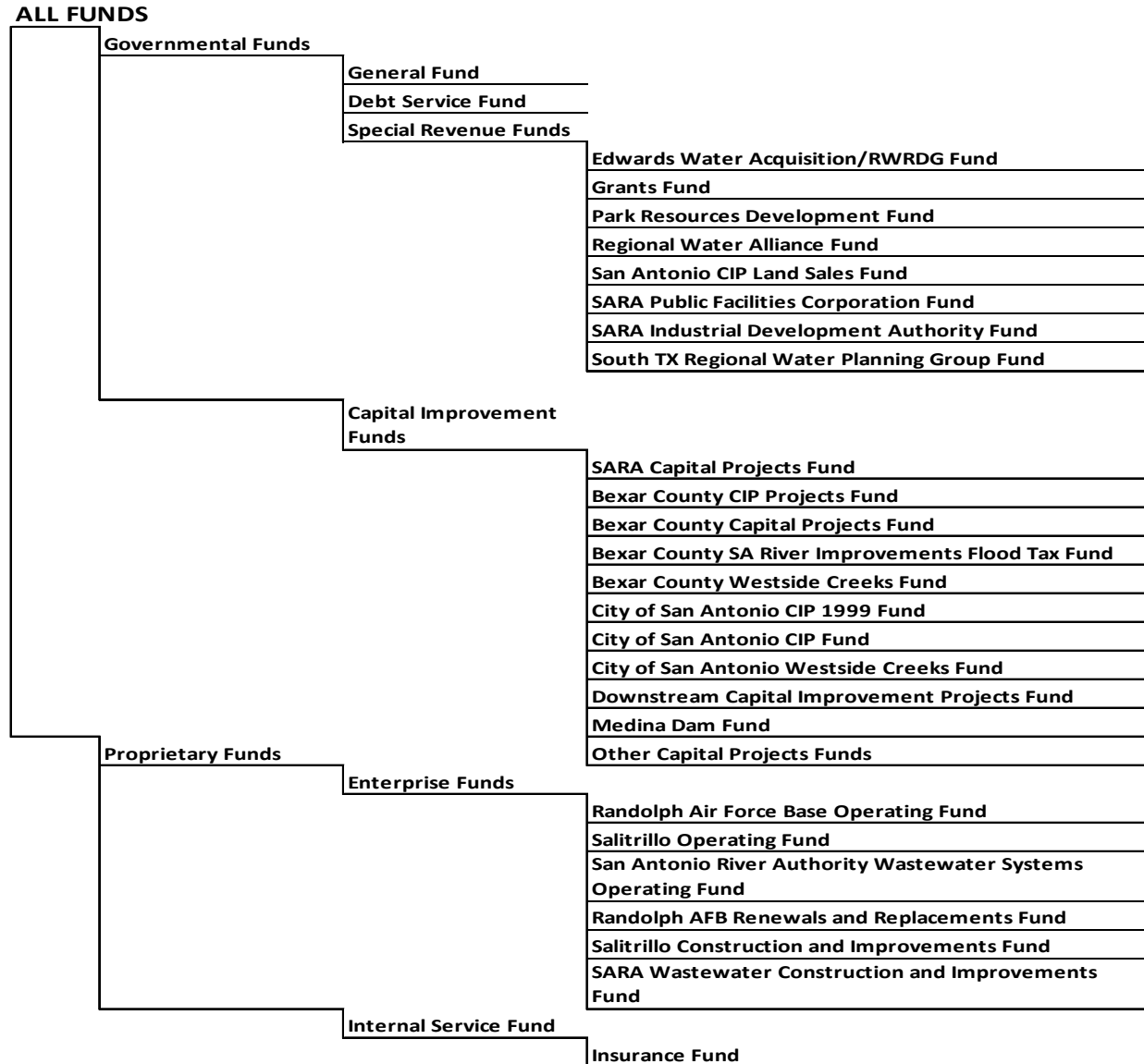




## Account Structure and Description of Funds

The River Authority maintains budgetary control of its operating accounts through the use of various funds. A "fund" is a self-balancing set of accounts with identifiable revenue sources and expenditures. It is segregated for the purposes of measuring a specific activity. Additionally, these funds are further separated into either major funds or non-major funds based on a criterion that compares the amount of assets, liabilities, revenues or expenditures they report in comparison to the total governmental funds or the combination of the governmental funds and the business activity funds.

### Fund Structure Chart



The River Authority has two kinds of funds (as shown above):

- **Governmental funds** – Most of the River Authority’s basic services are included in governmental funds such as the General Fund and special revenue funds. These funds focus on how cash and other financial assets can readily be converted to cash flow in/out and on the balances left at year-end and available for spending. The River Authority has 21 individual governmental funds that includes eight special revenue funds and eleven capital project funds.

The following governmental funds are classified as major funds:

- General Fund

Departments	
Board of Directors	Intergovernmental and Community Relations
Environmental Sciences	Organizational Support
Facilities	Real Estate
Finance	Watershed Engineering
Human Resources	Watershed and Park Operations
Information Technology	

- Debt Service Fund
- Bexar County Flood Tax Fund (Bexar County)
- Bexar County Westside Creek Restoration Projects Fund
- City of San Antonio Westside Creeks Restoration Projects Fund
- San Antonio River Authority Capital Projects Fund

All other governmental funds are classified as non-major funds.

- **Proprietary funds** – The River Authority maintains two types of proprietary funds – enterprise funds and internal service funds.
  - **Enterprise Funds** – These funds support business type activities in which the River Authority engages, all related to wastewater collection and treatment services. These activities are classified as enterprise funds because their revenues are derived from collecting fees from only those constituents that benefit from the service provided. These fees are based on a cost of service study and are meant to only recover the cost to provide this service. There are six enterprise funds, three operating funds and three capital improvement funds.

Department
Utility

The following enterprise funds are classified as major funds:

- San Antonio River Authority Wastewater Systems Funds
- Salitrillo Funds

- Internal service funds – These funds report activities that provide supplies and services that benefit governmental functions, programs and activities of the River Authority. Currently, the River Authority’s Insurance Fund is the only internal service fund.

The following describes each of the River Authority’s active funds (or groups of funds) that account for all the River Authority’s revenues and expenditures.

GENERAL FUND - Accounts for the San Antonio River Authority’s operations. The main source of revenue is property taxes. Functions funded through the General Fund include organizational support, board of directors, intergovernmental and community relations, facilities, human resources, watershed and park operations, finance, information technology, watershed engineering, environmental sciences, and real estate.

DEBT SERVICE FUND - Accounts for the resources to pay principal and interest on long-term debt for non-enterprise system capital improvement projects. Revenue comes from the River Authority’s portion of the Bexar County flood control property tax revenue and from the General Fund.

INSURANCE FUND - Accounts for revenues received from San Antonio River Authority’s operating funds and the expenses incurred for medical, vision, and dental claims and administration.

### ***SPECIAL REVENUE FUNDS***

Edwards Water Acquisition/Regional Water Resources Development Group (RWRDG) Fund - Accounts for the administration of the Regional Water Resource Development Group that collectively purchases Edwards Aquifer water for the area. Accounts for the activities of twenty-one water purveyors and regional water entities that have joined together to form the Regional Water Alliance to seek and implement collaborative solutions to effectively meet the region’s diverse water needs.

Grants Fund – Accounts for all grants funded by local, state, and federal agencies.

Park Resources Development Fund - Accounts for revenues received from the sale of non-essential lands or revenues from leases, license agreements and easements. The funds can only be used for land acquisition and/or the development of any project included in the San Antonio River Authority’s River Basin Plan for Nature-based Park Resources or subsequent regional park and recreation plans.

Regional Water Alliance Fund – Accounts for expenses related to the Regional Water Alliance activities that seek to implement collaborative solutions to effectively meet the region’s diverse water needs.

San Antonio Capital Improvement Project Land Sales Fund - Accounts for revenue received for land use activities as authorized in the 1999 amendatory contract with Bexar County. Funds

are used to support capital improvement projects like the Westside Creeks San Pedro Creek project.

*San Antonio River Authority Public Facilities Corporation Fund* - Accounts costs associated with the San Antonio River Authority Public Facilities Corporation's activities. The corporation can act on behalf of the River Authority to finance and provide public facilities.

*San Antonio River Authority Industrial Development Authority (SARIDA) Fund* – Accounts for the blended component unit that furnishes eligible applicant's financial assistance through the sales of tax-free industrial development bonds.

*South Texas Regional Water Planning Group Fund* - Accounts for monies collected from participants of the South Central Texas Regional Water Planning Group (Region L) and Texas Water Development Board per Senate Bill 1 (1997) and expenditures authorized by interlocal agreements between the participants.

### ***ENTERPRISE OPERATING FUNDS***

*Randolph Air Force Base Operating and Maintenance Fund* - Accounts for the operation and maintenance activities for the wastewater collection system at Randolph Air Force Base.

*Salitrillo Operating Fund* - Accounts for the operation and maintenance of wastewater treatment systems for the wholesale customers of Converse, Universal City, Live Oak as well as the Salitrillo retail customer. This fund accounts for the operation and maintenance of the reuse distribution line that begins at the Salitrillo Wastewater Treatment Plant and distributes reused water to Alamo Community College District and Universal City.

*San Antonio River Authority Wastewater Systems Operating Fund* – Accounts for the operation and maintenance of wastewater treatment systems for residential and business customers within the San Antonio River Authority's District. The fund also accounts for the operation and maintenance of wastewater treatment plants operated by the River Authority but funded by other entities including the City of La Vernia, the City of Somerset, the Goliad County Water Supply Corporation, and the Alamo College District.

### ***CAPITAL PROJECT FUNDS***

*San Antonio River Authority Capital Projects Fund* – Accounts for expenses incurred in River Authority studies and projects. The main source of funding for these studies and projects is the General Fund.

*Bexar County Capital Improvements Projects Fund* - Accounts for expenses incurred in assisting Bexar County on capital improvement projects. Bexar County pays all expenses incurred.

*Bexar County Capital Projects Fund* - Accounts for flood control capital improvement projects within the boundaries of Bexar County. Bexar County pays all expenses incurred.

Bexar County San Antonio River Improvements Flood Tax Fund - Accounts for expenses incurred in assisting Bexar County on projects on the San Antonio River Improvement Projects. Bexar County pays all expenses incurred using proceeds from the flood control property tax assessment.

Bexar County Westside Creeks Restoration Projects Fund - Accounts for the improvements done through the Westside Creek Restoration Project. Bexar County pays all expenses incurred.

City of San Antonio Capital Improvement Projects 1999 Fund - Accounts for improvements on the San Antonio River and other watersheds as well as the Cibolo Creek Floodplain Buyout Program, all as authorized in the 1999 amendatory contract with Bexar County.

City of San Antonio Capital Improvements Project Fund - Accounts for expenses incurred in assisting the City of San Antonio with San Antonio River Improvement Projects. The City of San Antonio pays all expenses incurred.

City of San Antonio Westside Creeks Restoration Projects Fund - Accounts for the improvements to the Westside Creek Restoration Project paid by the City of San Antonio.

Downstream Capital Improvement Project Fund - Accounts for capital projects within the downstream counties of Goliad, Karnes and Wilson.

Medina Dam Fund - Accounts for expenses incurred in assisting Bexar Medina Atascosa Water District (BMA) with repairs to the Medina Dam. Bexar County, BMA and the Texas Water Development Board pay all expenses incurred.

Other Capital Projects Fund - Accounts for capital projects funded by entities other than the City of San Antonio, Bexar County, or projects accounted for in the Downstream Capital Improvement Project Fund. The other entities pay all expenses incurred.

#### ***ENTERPRISE CAPITAL PROJECT FUNDS***

Randolph Air Force Base Renewals and Replacements Fund - Accounts for the upgrade of the collection system at Randolph Air Force Base through a series of renewal and replacement projects.

Salitrillo Construction and Improvement Projects Fund - Accounts for the construction of and improvements to the wastewater treatment systems for residential and business customers of Converse, Universal City, Live Oak and Salitrillo Retail.

San Antonio River Authority Wastewater Systems Construction and Improvements Fund - Accounts for the construction of and improvement to wastewater treatment systems for residential and business customers within the San Antonio River Authority's Wastewater System.

## ACCOUNTING SYSTEM

The River Authority's accounting records are maintained on a *modified accrual basis* for most funds. Revenues are recorded in the fiscal year in which they are available and measurable, and expenditures are recorded in the fiscal year when the services or goods are received and the liabilities are incurred. In addition, encumbrances are recorded during the year. Property tax revenues are susceptible to accrual, and are considered available to the extent collected within sixty days after the end of the fiscal year. Proprietary (enterprise/internal service) funds are accounted for using the *accrual basis* of accounting. Revenues are recognized when earned and expenses when they are incurred.

The River Authority's budgets are developed on a *cash basis*. Revenues are recognized only when collected and expenditures are recognized when paid. The River Authority annually adopts a balanced budget – meaning that total budgeted expenditures do not exceed total available funds (a combination of beginning fund balance and projected revenues). The River Authority appropriates all available funds, including projected ending fund balances so that they can be used in the event of extraordinary, unexpected occurrences such as floods or hurricanes. Beginning fund balance is the amount of money available from the prior fiscal year (excess revenues over the amount actually expended in that year). It is accounted for and, as stated, can be appropriated annually.

Appropriations in the capital improvement funds, grant funds and some other project driven funds are made on a *project basis* (from inception to completion) rather than on an annual basis and are carried forward until the projects are completed. Except for project and grant appropriations, or for encumbrances outstanding in any fund, unused appropriations lapse at the end of each fiscal year.

The Adopted Budget appropriates funds using the following expenditure groups. Capital expenditures are defined as the purchase of an asset where the total cost of an item is \$5,000 or greater.

- Personnel Expenditures
- Operating Expenditures
- Capital Expenditures
- Transfers
- Debt Service
- Contingency

Each expenditure group is the sum of individual, similar line item allocations. This presentation of budget data is designed to provide departments with detailed information but with greater flexibility in the management and control of their budgets. This system reduces unnecessary bureaucratic control while continuing to provide sound financial and management information. Although budgetary data is presented in the budget document according to expenditure group, detailed line item information has been input into the River Authority's financial management system.



## **Fiscal Year 2019/20 Adopted Budget Highlights and Trends**

### **Introduction**

This section supplements the Budget Message dated June 19, 2019 and provides a revised general overview of the budget as well as a discussion of additional budget analysis, trends and forecast, and new resources. The information directly below is further described in greater detail throughout the annual detail budget book. Detailed explanations for items within San Antonio River Authority (River Authority) departments may be found under the General Fund or Utility Funds tab, while full descriptions for projects are located in the Projects tabs.

Since proposed on May 6, 2019, the Adopted Budget was revised to include just over \$3.3 million in additions and changes. New activity presented and included as part of the adoption process was mostly related to capital improvement projects. This information was outlined in the June 19, 2019 memorandum to the board of directors with the subject “Recommended Changes to the FY 2019/20 Budget”, found in the appendix of the annual detail budget book.

The River Authority, as a steward of public funds, works diligently to accomplish its mission and serve the needs of the citizens in the district while respecting the financial impact of property taxes, wastewater system rates and other user fees. The FY 2019/20 Adopted Budget represents the results of balancing these commitments.

## **Budget Overview**

The San Antonio River Authority (River Authority) staff developed the fiscal year (FY) 2019/20 budget based on a tax rate of 1.858 cents per \$100 valuation. The FY 2019/20 annual budget provides funding for the current level of services, and funds additional investments in resources that advance the agency’s commitment to safe, clean, enjoyable creeks and rivers. The River Authority has stayed the course with continued investments that support a multi-year strategy to accelerate the completion of critically important flood related public safety and water quality projects. The River Authority works with other entities to deliver major flood control and utility projects, and through its tax supported general fund of \$47.6 million, the River Authority is implementing many significant efforts in the upcoming fiscal year. The strategic plan is a key factor for making budget decision, below are highlights for each of the five established goals and additional analysis for the annual budget.



### **Advance Science and Engineering Expertise and Data**

The River Authority prioritizes reducing flood risk and improving public safety in the FY 2019/20 budget. River Authority engineering expertise is continuing to advance community flood preparedness by fast-tracking the completion of vital flood risk management projects that will enhance community readiness and protection. The River Authority is currently developing predictive flood modeling technology that will provide first responders innovative tools to assist in the effort to avoid loss of life and protect property during heavy rain and flood events. When storms are forecasted, the sooner a community knows when and where the impact will be greatest, the faster warnings can be given and actions taken to reduce threats to life and property. The River Authority is providing the most up-to-date and dynamic floodplain maps, flood risk products and watershed master plans. This critical information will help individuals understand their level of flood risk and it will be used to guide investments in capital projects and inform future development decisions.

### **Enable Policy, Projects, and Actions**

Improving the health of creeks and rivers is the River Authority’s purpose. The River Authority’s FY 2019/20 budget is dedicated to inspiring actions for healthy creeks and rivers. The River Authority’s scientific expertise is generating lasting and recognized improvements in the health of the San Antonio River and its tributaries by leading efforts to protect and enhance water quality and preserve and restore natural habitats and aquatic ecosystems. The River Authority is analyzing targeted growth zones to model the impact of unmitigated impervious cover. With a better understanding



of the negative impact of impervious cover on water quality and flooding, the River Authority will be better positioned to propose changes in development codes and practices that focus on reducing threats to the health and sustainability of our creeks and rivers while supporting more balanced growth options. The River Authority is advancing the use of sustainable development practices within our rapidly urbanizing communities. The River Authority is the champion promoting the benefits of Low Impact Development (LID) and other green infrastructure approaches that reduce



the velocity of and filter pollutants from stormwater to ensure that the sustainability of our natural waterways is prioritized as we move toward the future.



### **Enhance Community Appreciation and Recreation**

Enhancing appreciation and stewardship through recreation is a goal of the River Authority. The quality of life and health of citizens who live in the River Authority's District can be impacted through recreational access along creeks and rivers. Over the past decade, the River Authority has added nature-based recreational activities throughout the basin including hike and bike trails, paddling trails, picnic and camping areas, playgrounds, fishing, bird watching and even disc golf courses. These river-based recreational resources have attracted thousands of users to bask in the beauty and enjoyment of nature. With more access, people can develop a greater appreciation for the natural resources and quality of life benefits provided by the San Antonio River and its tributaries. This will in turn, promote increased preservation and conservation of these resources by individuals, businesses and government. In FY 2019/20, the River Authority will acquire more park land in Bexar County and is continuing to invest in a community partnership to create a new park in Karnes County. The FY 2019/20 budget has funds to support the construction of the Escondido Creek Parkway in Kenedy, which will provide new recreational opportunities in the southern basin.

### **Maximize Strategic Use of Resources**

To advance the agency's commitment to safe, clean, enjoyable creeks and rivers the River Authority continues to place an emphasis on diversifying and leveraging funding, technology, and people to strengthen business processes and service delivery. The River Authority has been actively planning on the renewal and replacement of aging assets. Several authorized projects within the General Fund and utility funds are focused on positioning the River Authority for the future. The implementation of various technology to assist in this process improvement and access to information is also a main driver as staff works to advance this goal. The FY 2019/20 budget also includes funding to pursue implementation of the facilities improvement and expansion plan. The River Authority operates and maintains seven wastewater treatment plants and their collection systems. The Utility enterprise strives to improve and increase service delivery in its service area. Funding to perform studies, design infrastructure and investments in process improvement will be a priority for the upcoming fiscal year.



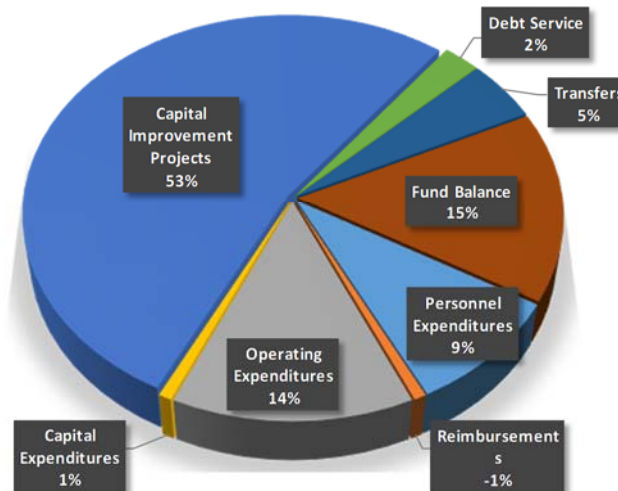
### **Inspire Employees and Build Expertise**

It is important to align the River Authority's actions with what we value as important components of the organizational culture. The River Authority emphasizes the value placed on its employees, focuses on people services, and strives to improve service efficiencies and the expertise that sets us apart from other organizations. Over the past year the River Authority has placed an emphasis on advancing the organizational culture by improving employee resiliency through programs and trainings that support employees personally and professionally. The FY 2019/20 budget has funds to support training programs designed to improve the ease of use and employee experience of technology and other resources.

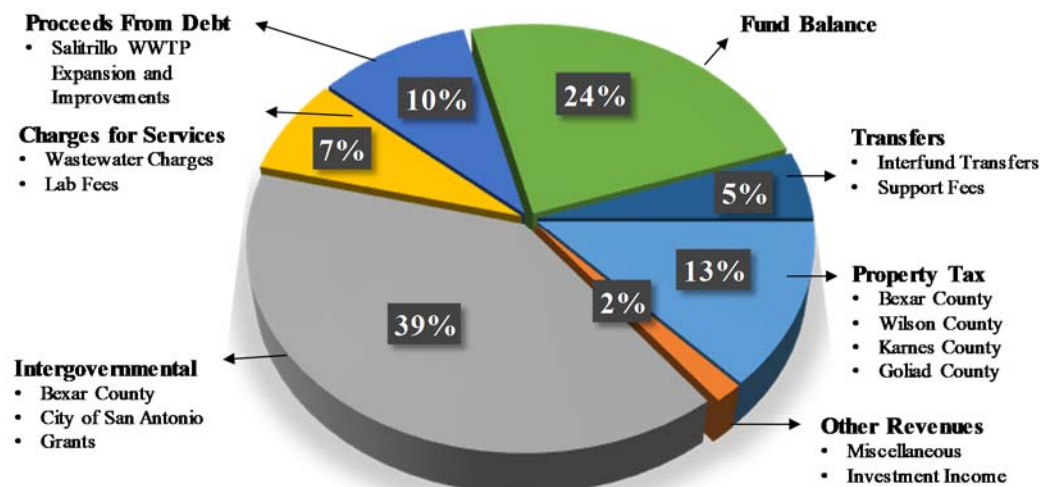
## FY 2019/20 Adopted Budget (All Funds)

The FY 2019/20 appropriations total \$257,202,017 which include projected ending reserve balances of \$40,231,724. Expenditures across all funds total \$204,101,157 which is 17.6 percent more than the FY 2018/19 Adopted Budget. Expenditures include: Personnel (\$24,026,352), Operations (\$35,230,516), Capital (\$1,905,997), Capital Projects (\$138,305,876), Debt Service (\$6,434,911), and reimbursements of personnel expenditures (\$1,802,495). Revenues for FY 2019/20 are \$196,299,864 when all funds are included. Of this amount, \$36,506,462 are total General Fund revenues with \$33,361,485 or 91 percent generated by property tax. Other revenues include: Intergovernmental (\$101,468,799), Charges for Services (\$19,109,970), Miscellaneous (\$160,000), Support Fees (\$1,939,976), Investment Income (\$770,000), Proceeds from Debt (\$25,000,000), Transfers (\$11,522,134), and Connection Fees (\$2,967,500).

### **Total Appropriations: \$257,202,017**



### **Total Available Funds: \$257,202,017**



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## FY 2019/20 Budget Appropriations

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**All Funds**.....\$257,202,017

**General Fund**.....\$47,623,065

### Utility Funds

San Antonio River Authority Wastewater Systems Operating Fund.....\$14,944,159

Salitrillo Operating Fund .....\$7,352,365

Randolph Air Force Base Fund.....\$678,736

### Special Revenue Funds

Edwards Water Acquisition/RWRDG .....\$388,045

Grants Fund.....\$5,884,566

Park Resources Development .....\$260,778

Regional Water Alliance.....\$28,913

San Antonio Construction Improvements Project Land Sales.....\$202,748

San Antonio River Authority Public Facilities Corporation.....\$198,456

San Antonio River Authority Industrial Development Authority.....\$10,710

South Texas Regional Water Planning Group .....\$571,140

### Other Funds

Debt Service.....\$5,449,339

Insurance Fund.....\$4,804,687

### Capital Project Funds

San Antonio River Authority Projects .....\$19,630,275

Bexar County Capital Improvements Program Projects.....\$202,181

Bexar County Capital Projects.....\$22,194

Bexar County Flood Tax.....\$860,156

Bexar County Westside Creeks Restoration Projects .....\$50,467,764

City of San Antonio Capital Improvements Projects 1999.....\$32,342

City of San Antonio Capital Improvements Projects.....\$5,077,920

City of San Antonio Westside Creeks Restoration Projects .....\$28,366,397

Downstream Capital Improvement Projects .....\$2,263,034

Medina Dam.....\$160,000

Other Capital Funds .....\$3,996,494

Randolph Air Force Base Renewals and Replacements Fund.....\$2,772,339

Salitrillo Construction and Improvement Projects.....\$35,318,315

SARA Wastewater Systems Construction and Improvement Projects.....\$19,634,899

## **Budget Analysis**

The River Authority completed a collaborative process involving members from all levels of the organization to develop, present and subsequently adopt the FY 2019/20 Budget. The General Fund and wastewater funds serve as the primary focus when determining the River Authority's priorities for operational activities and projects. Most other funds maintained by the River Authority are primarily driven by the objectives of external funding agencies who contribute funding for various projects and efforts performed. Highlighted below are some of the key budget discussion items that influenced the decisions made during the budget process.

A considerable amount of focus and effort was provided in analysis of various scenarios related to project funding and enhancements to the current level of service established in the FY 2019/20 budget. Several important flood related public safety and water quality projects are heading into their second year. These projects were developed in response to identified community needs and incidents, such as Hurricane Harvey. This funding was a primary consideration of the work plan funding and budget recommendations provided by staff.

### **General Fund**

#### **Property Tax Revenues**

Property taxes continue to be the primary source of revenue to support general operations for the agency. This revenue supports the eleven departments and various projects that are identified through the annual budget process. As previously mentioned, the FY 2019/20 budget is based on a tax rate of 1.858 cents per \$100 valuation. It is estimated that the increase in property valuation will result in an increase of \$2.49 per year for the average tax payer. The tax rate however, remains unchanged from FY 2018/19 where it was increased for the first time in five years. It is important to note that the River Authority has a statutory cap of 2 cents per \$100 of valuation on the ad valorem tax that can be levied.

**The River Authority's tax is limited to two cents per \$100 of assessed property valuation. The FY 2019/20 Adopted Budget is based on a tax rate of 1.858 cents per \$100 valuation. The budgeted tax revenue is \$33.3 million.**

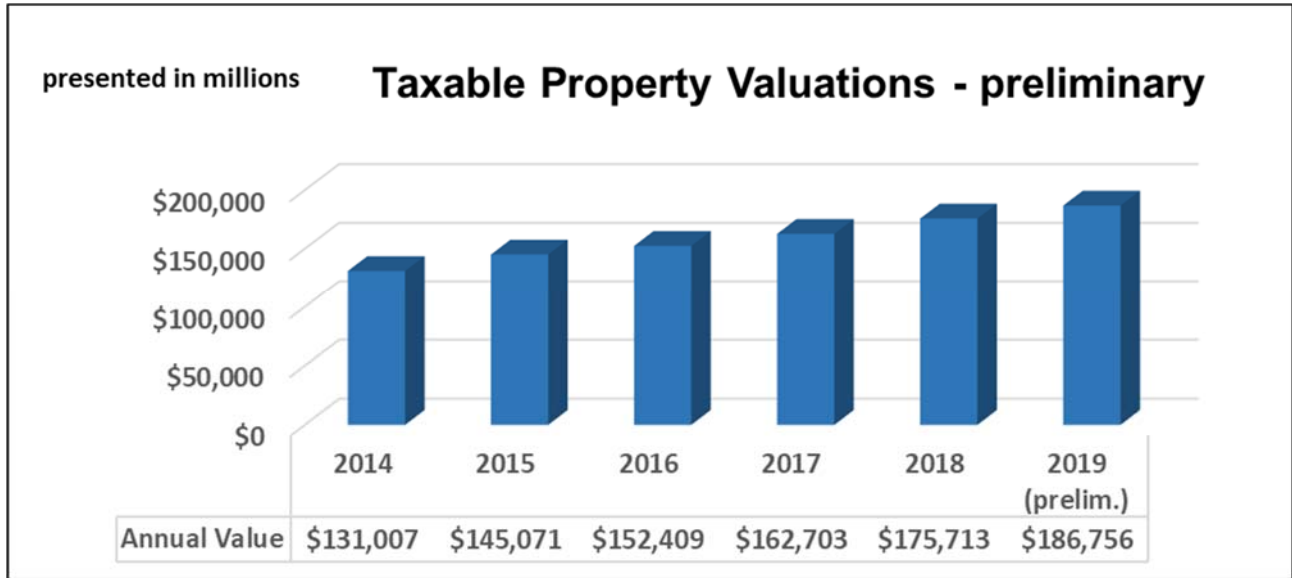
In the FY 2019/20 Adopted Budget, budgeted tax revenues generated within Bexar County will account for approximately 94 percent of the total property tax revenue. Karnes County is the next closest of the other three counties in the district at approximately 4 percent. Wilson and Goliad round out the four county district by representing

the remaining amounts, with nearly 2 percent and just under 1 percent respectively. This is relatively consistent with proportions in previous fiscal years. The River Authority must adopt the budget prior to the certified values being available from the appraisal districts. Therefore, annually the River Authority adopts the tax rate and determines the final property tax revenue post-budget adoption. Should additional revenue be generated as a result of the certified values, the River Authority's Board of Directors allocates that funding to important programs, projects and/or reserves at a future date.

Total property valuations are the basis for revenue projections for the River Authority. For FY 2019/20, the preliminary valuations across the four county district exceed \$180 billion (exhibit a).

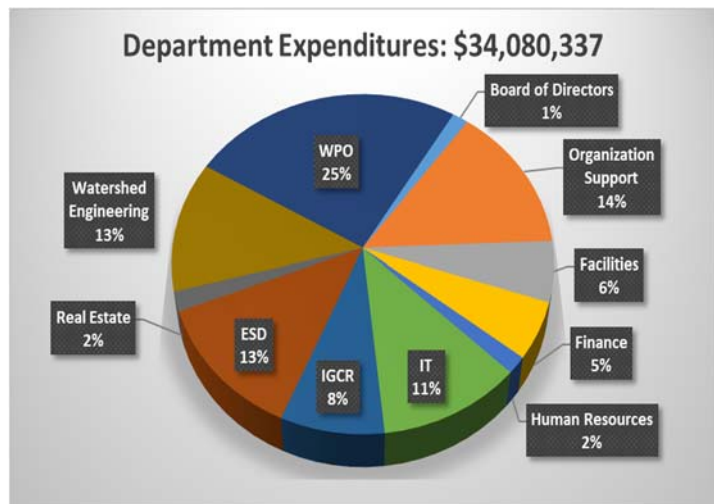
Bexar County continues to see a steady increase in valuations which resulted in a record number of protests by property owners. Bexar County Appraisal District reported over 100,000 protests.

**Exhibit A – Taxable Property Valuations**



**Appropriations**

The total General Fund operating appropriations for FY 2019/20 is \$39,049,975. Departmental expenditures account for 87% of the total General Fund Appropriations. The eleven departments supported by the General Fund are split between General Government and Program Support and Services. General Government includes Board of Directors, Organizational Support, Facilities, Finance, Human Resources, Information Technology (IT), and Intergovernmental and Community Relations (IGCR). Program Support and Services includes Environmental Sciences (ESD), Real Estate, Watershed Engineering, and Watershed and Park Operations (WPO).



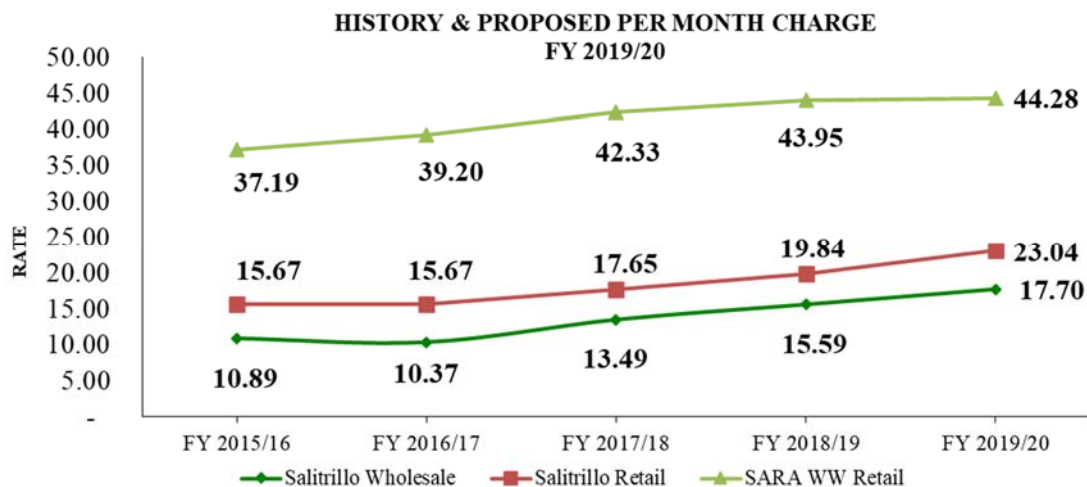
Program Support and Services includes Environmental Sciences (ESD), Real Estate, Watershed Engineering, and Watershed and Park Operations (WPO). Department expenditures in the General Fund are categorized into personnel, operating, and capital expenditures, with personnel expenditures accounting for 58% of the total budget. For more information on Department expenses please refer to the New for FY 2019/20 section of this document (pg. 29) and the Department Narratives located in the General Fund section of the Annual Budget Detail book.

## Utility Funds

### Wastewater Rates

The River Authority staff has been collaboratively working on strategies to ensure the continued success and service of the wastewater utility systems. In March 2018, a business review of the utility operations was completed by an external consultant. The conclusions from the review continued to serve as a resource through the FY 2019/20 budget development process. Recommendations within the final report that addressed various areas such as rates, operations and capital improvement planning helped inform resource decisions. For the FY 2019/20 Adopted Budget staff built upon prior year efforts and further developed the rate model and ten year capital improvement plan.

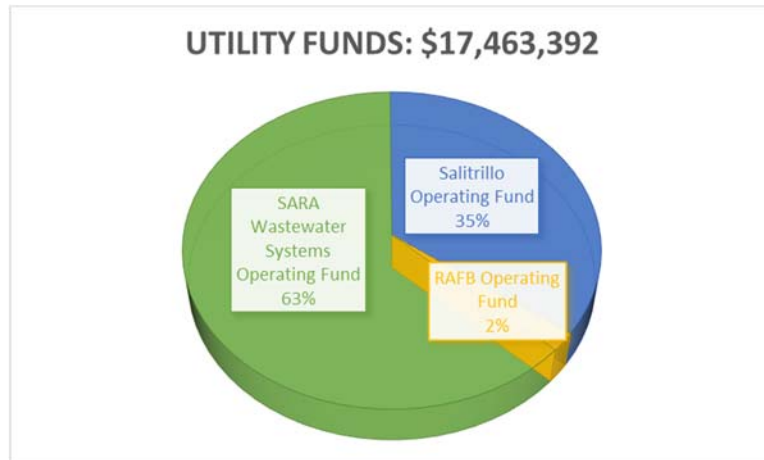
Staff worked with wholesale customers and Board of Directors to institute strategies to fund operational needs and future capital projects, while being sensitive to rates charged for services. For FY 2019/20, the adopted rates for the Martinez and Salitrillo wastewater systems result in an average monthly charge to retail customers of \$44.28 and \$23.04 respectively. Additionally, the River Authority provides wholesale wastewater services in both wastewater systems.



Major capital investments, driven by either aging infrastructure or plant expansions, have been identified in the FY 2019/20 Adopted Budget for both the San Antonio River Authority (Martinez) and Salitrillo Wastewater Treatment Plant Systems. Adjustments to the wastewater rates, approved by the Board of Directors through ordinances, are incorporated in the budgeted revenues for the wastewater systems to help fund the rolling five year average of expected capital projects. The additional funding is necessary to ensure the quality and effectiveness of system operations. The new Martinez IV Wastewater Treatment Plant (WWTP) was completed and opened in FY 2018/19. This new WWTP was constructed in response to increased residential growth in the Martinez IV service area in northeast Bexar County. Additionally, the Martinez III WWTP that serviced some of this area will be decommissioned in FY 2019/20. In the Salitrillo Wastewater System, the design of the Salitrillo WWTP Expansion and Improvements is anticipated to begin in FY 2019/20. Beginning July, 1 2019, rate adjustments to utility customers will result in an average monthly increase of between \$3.23 (Salitrillo system) and \$0.33 (Martinez system) depending on the service area where they reside and are needed to ensure the financial health of the Martinez and Salitrillo Wastewater collection and treatment systems.

## Appropriations

The Utility Operating Funds, or Enterprise Funds, consist of the SARA Wastewater Systems Operating Fund, the Salitrillo Operating Fund, and the Randolph Air Force Base Operating Fund. For FY 2019/20 the total appropriations across these funds totals \$17,463,392. This is a 9% increase from the FY 2018/19 Estimate. Most of this increase is attributed to the increase in appropriations in the



Salitrillo Operating Fund. Compared to the FY 2018/19 Estimate, the FY 2019/20 Adopted Budget in the Salitrillo Operating Fund saw slight increases in personnel expenditures, capital expenditures, while transfers to the capital fund increased significantly. Transfers to the Salitrillo Construction and Improvements Fund increased from \$1.7 million to \$2.5 million and Support Fee transfers to the General Fund from the Salitrillo Operating Fund were held at standard calculated amount and not reduced to support rate containment as in FY 2018/19 budget.

During the FY 2019/20 budget process, an emphasis was placed on reducing operating costs. Across the SARA Wastewater Systems Operating Fund and the Salitrillo Operating Fund recurring operating expenditures were reduced by 5% as compared to the FY 2018/19 Amended Budget. The Finance and Utility teams will continue to work together on monitoring and controlling costs.

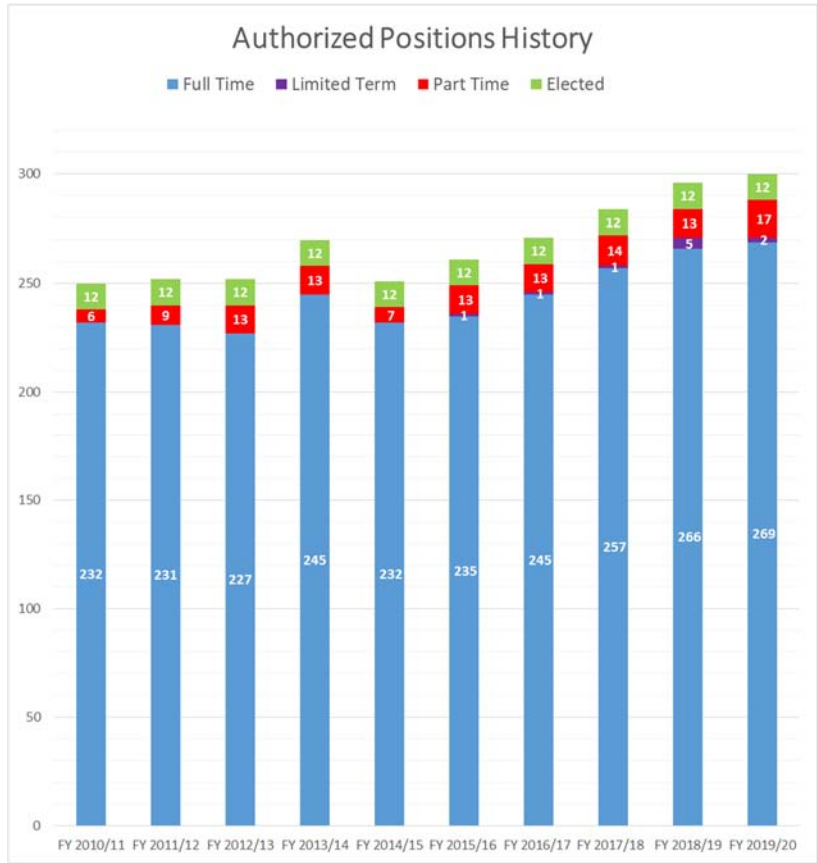
## Staffing

In the FY 2019/20 Adopted Budget, costs associated with personnel increase nearly three percent as compared to the FY 2018/19 Adopted Budget. This increase is mostly attributed to performance pay funding as well as increasing the number of authorized positions to 300, adding four new full time employees (FTE) and carrying forward two limited term employees (LTE).

<b>Full Time</b>	<b>269</b>
<b>Limited Term</b>	<b>2</b>
<b>Part Time</b>	<b>17</b>
<b>Elected Officials</b>	<b>12</b>
<b><i>Total Positions</i></b>	<b><i>300</i></b>

The River Authority continues to be challenged by factors such as market conditions, which make hiring the right talent more difficult. Cost associated with personnel expenses are expected to continue rising in the coming years. Although the River Authority operates a self-insurance program, the cost of administration and claims continue to be impacted by the healthcare industry's changing landscape. In the FY 2019/20 Adopted Budget, the employer contribution increased slightly. Findings from an actuarial study helped inform the true amount needed to fund the self-insurance program through premium contributions. This effort, encouragement of the River Authority wellness program and other actions to control cost through prevention all aim to ensure the health of our self-insurance fund for future years.

As described in the previous section, providing resources, whether personnel or other, influenced decisions during the budget process. Investments included in the FY 2019/20 Adopted Budget support three months for funding for the operations and maintenance of the new Escondido Creek Parkway, which is anticipated to be open in the Summer of 2020. Costs include salary and benefits for three new positions approved in the FY 2019/20 budget as well. Additionally, the Environmental Sciences department added a FTE to develop and establish the Bacterial Source Tracking (BST) testing program that will lead to implementing quantification methodology. Both the Real Estate and Information Technology departments retained a LTE to support the enhancement and maintenance of real estate records and to support the file/folder restructure efforts respectively.



Authorized Positions	FY 2017/18	FY 2018/19	FY 2019/20
	Actual	Estimate	Budget
<i>General Fund</i>			
Board of Directors (elected officials)	12	12	12
Organization Support	13	13	13
Facilities	6.5	7	7
Finance	14	15	15
Human Resources	6	6	6
Information Technology and GIS	18	18	18
Intergovernmental and Community Relations	16	16	16
Environmental Sciences	38	40	41
Real Estate	5	7	7
Watershed Engineering	29	32	32
Watershed and Park Operations	75	78	81
<b>Total General Fund</b>	<b>232.5</b>	<b>244</b>	<b>248</b>
Utility	51.5	52	52
<b>Total Positions</b>	<b>284</b>	<b>296</b>	<b>300</b>

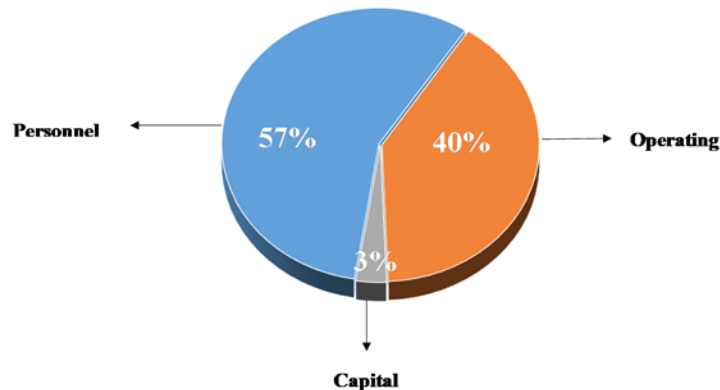


## **Budget Trends**

### **General Fund Expenditures**

The FY 2019/20 General Fund budget appropriations total \$47,623,065 which includes an operating reserve of \$8,573,091 and transfers of \$6,122,134. Expenditures across all funds total \$32,927,841 which is three percent more than the FY 2018/19 Adopted Budget. Expenditures include: Personnel (\$19,934,648), Operating (\$13,250,386), Capital (\$895,302), and Reimbursements of personnel expenditures (\$1,152,495).

**Total General Fund Expenditures: \$32,927,841**



### **Operation and Maintenance**

The River Authority has continued to increase the scope of responsibility of operation and maintenance related activities. Projects such as the Mission and Museum Reach, various parks and additional paddling trails under the purview of the River Authority, and agreements with government entities for the management of dams are a large part of the operation and maintenance activity. Additionally, the River Authority works with the National Park Service in support of areas near the missions, recently designated as a World Heritage site. Looking forward, the River Authority expects this sector of business to continue to increase given the ability to deliver quality results. The River Authority works diligently to balance the increased operations and maintenance activities and costs with the work to advance the science and engineering of water quality and quantity. The River Authority's property tax revenue growth is limited by a cap on the property tax rate of 2 cents per \$100 in valuation. Going forward, the River Authority will continue to work with other public entities to maximize opportunities for funding from external organizations.

- The River Authority will provide operations and maintenance services along the San Pedro Creek Culture Park as the project's segments are completed. In the FY 2019/20 Adopted Budget, \$392,174 is allocated for the operations and maintenance of San Pedro Creek Culture Park. Of the \$392,174 budgeted for operating expenses, \$9,500 is new funding for two pedestrian counters along the trail. It is anticipated that the operations and maintenance costs will increase as future phases are completed. The estimated cost for operations and maintenance activities for all four phases is approximately \$2 million annually.

- The first phase of the Escondido Creek Parkway Improvements Project in Karnes County is expected to be completed in 2020. Included in the FY 2019/20 Adopted Budget is \$79,000 for three months of operating expenditures for the new park. This includes \$40,000 for a new truck and \$39,000 for new supplies and equipment. In addition to the operating expenditures \$34,224 is included for three new Park Technicians, bringing the total to \$113,224. The estimated cost for operations and maintenance activities for a full fiscal year is between \$275,000 and \$300,000.

## **Renewal and Replacement**

In FY 2017/18, staff began developing a formal replacement program for the organization's assets. The replacement program is designed to plan for the renewal and replacement of existing equipment and other capital assets including vehicles, laboratory equipment, technology, and construction equipment.

- The River Authority will continue to work with Bexar County to monitor and address major erosion issues on the Mission Reach project. The Mission Reach Erosion Repairs project identifies both major and minor repairs at various locations along the Mission Reach which will be prioritized and addressed as needed.
- The River Authority's NELAP (National Environmental Laboratory Accreditation Program) accredited laboratory will require adequate planning for the renewal and replacement of existing equipment and to identify opportunities to expand services, should that be the direction the River Authority takes for its laboratory services. Several aging pieces of equipment valued at approximately \$300,000 to \$400,000 (in total) have been identified as potential replacement needs over the next five years, \$62,000 has been allocated in FY 2019/20.

## **Facilities**

The River Authority has completed the process of space planning with the assistance of outside consultants to identify future needs caused by expanding services and staff. Implementation of the facilities improvement and expansion plan will begin in FY 2019/20.

- The FY 2019/20 Adopted Budget funds improvements and upgrades to the River Authority's headquarters. Modifications to building and aging equipment have reduced the efficiency and reliability of existing systems. Anticipated improvements to the building include upgrades to the HVAC (heating, ventilation, and air conditioning) system and reconfiguration of office space. Additionally, operations and maintenance funds are included for a new facility that is anticipated to be acquired in FY 2019/20.
- In FY 2017/18, the River Authority purchased land to house San Pedro Creek Culture Park operations staff and equipment. During FY 2019/20, staff will proceed with construction of a building to facilitate operations and maintenance functions for San Pedro Creek Culture Park.

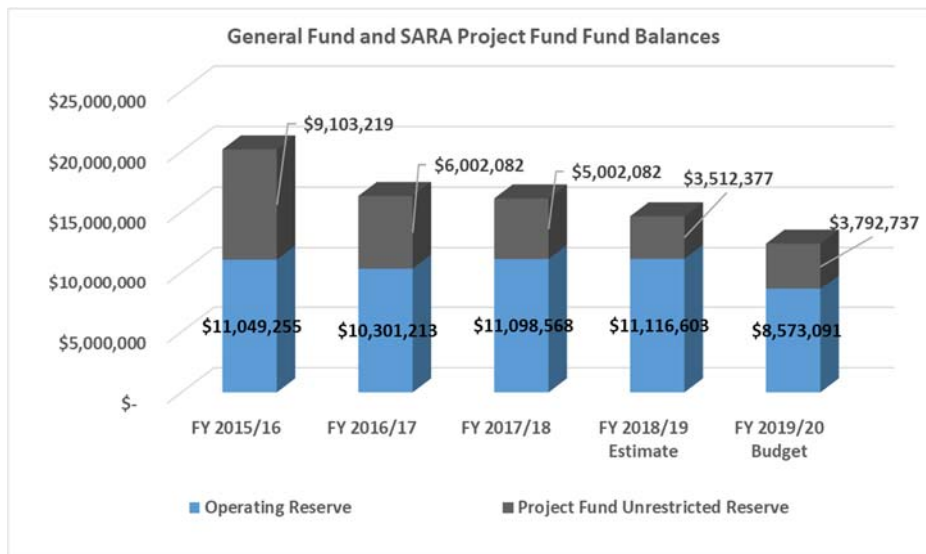
## General Fund Revenues

The General Fund, which accounts for all department operations, is funded primarily through the property taxing authority of the River Authority. Additionally, generated tax revenue allows for transfers to the San Antonio River Authority Project Fund that supports projects authorized by the Board of Directors. Property tax revenues are often part of the public debate and proposed legislation for the State of Texas’s biannual legislative sessions. The outlook for this funding source is being closely watched to ensure that the ability of the River Authority to deliver on its mission and vision are not negatively impacted.

- Existing legislation sets a maximum rate of tax of two cents (\$.02) per \$100 of taxable property value that can be levied across the four counties served. This budget is built using a proposed tax rate of \$.01858 and generates just over \$33 million.
- The FY 2019/20 Adopted Budget authorizes expenditures above General Fund revenues. This is possible through the carry forward of previous year revenues not expended in the prior year(s). Staff will be monitoring the cost of services to ensure that recurring operations expenses do not exceed the forecasted revenue generated through property taxes and other sources. Given the cap on the maximum tax rate, diversification of sources of revenue have been part of the River Authority’s strategic plan. The River Authority also investigates and, when possible, pursues other revenue streams.

## Fund Balances – General Fund and Project Fund

The River Authority maintains two primary reserve balances – Operating Reserves and Unrestricted Reserves. Revenues generated by the General Fund are the primary source of funding for both categories although reserves are held within separate funds. The main objectives for establishing and maintaining fund balances are, to include but not limited to, ensuring a strong financial position of the organization, securing favorable bond ratings, and being able to react to unforeseen or other extraordinary circumstances. Below is a chart showing the projected fund balances and a brief description of the reserves categories:



**Operating Reserves** – The River Authority's General Fund and all utility system(s) operating funds set a target to maintain a minimum of 25 percent (three months) of the annual budgeted operating expenses as an operating reserve. Operating expenses included in the determination of the appropriate level of the reserve include personnel and operating supplies and contracts. Expenses not included in the reserve calculation are project related expenditures and transfers to other funds.

**Project Fund Unrestricted Reserve** – The River Authority maintains reserve funds that can be used for purposes to advance the River Authority's mission. This may include funding projects and asset acquisition without issuing debt and incurring interest costs. These funds' use includes but is not limited to: completing capital projects, funding studies, purchasing assets, and executing loans to move projects forward sooner as well as other activities approved by the River Authority Board of Directors. These funds should be used to support the River Authority's strategic plan goals and objectives. Use of these funds is at the discretion of the River Authority Board of Directors; annually, the Board may delineate the types of projects for which these funds may be used. This reserve is accounted for in a fund separate from the General Fund.

### Utility Enterprise

The wastewater utility enterprise is a significant but not always visible component of the River Authority's portfolio of services. In FY 2019/20, the utility enterprise accounts for budget appropriations of \$80.7 million when including the related operating and maintenance as well as capital improvement funds (six in total).

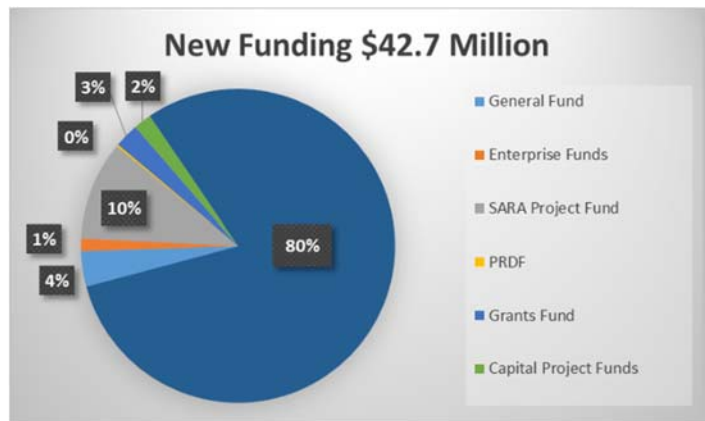
- San Antonio River Authority (Martinez) Wastewater Treatment Plants (WWTP)
  - Over the next five years, the River Authority expects to invest \$37.7 million in capital improvements to the Martinez Wastewater System. The majority of these improvements will be focused on addressing aging infrastructure at the wastewater treatment plants and expanding capacity to meet demands within the River Authority's service area.
  - Phase I of the new Martinez IV WWTP has a capacity of 250,000 gallons per day (GPD) and began operations in April 2019. The total project budget is \$11,097,570. Initial operating costs are anticipated to be about \$80,000 annually. As flow increases and the plant expansions are completed, operating costs will increase. The Martinez IV WWTP replaces the need for the Martinez III WWTP which will be decommissioned in FY 2019/20. Due to increased growth in the Martinez IV service area planning will begin for the next expansion of the WWTP in FY 2019/20. This expansion will bring the plant capacity to 1,000,000 GPD.
  - Over the past five years, the Martinez wastewater system has seen an average increase in single family residential connections of 3.5 percent per year, representing approximately 488 new connections annually. This past year the River Authority has seen an increase in single family connections of almost six percent representing approximately 936 new connections. Over the next five years the River Authority estimates a 2.5 percent average annual increase in single family residential connections, representing approximately 425 connections per year. This

increase in growth is based on recent activity in this service area and known development plans.

- The River Authority currently has a ten year capital improvement and repair and replacement plan for this system. The rate model used to determine needed rate changes incorporates the plan's identified replacements and improvements.
- In FY 2017/18, the River Authority worked with a consultant to conduct a business review. In FY 2019/20 the River Authority plans to use that information to develop a comprehensive operations and business plan to identify opportunities for actions that can be taken to stabilize the customer rates and operating costs going forward.
- Salitrillo Wastewater Treatment Plant
  - Over the next five years, the River Authority expects to invest \$33.7 million in capital improvements to the Salitrillo wastewater system. The majority of these improvements will be focused on addressing aging infrastructure at the wastewater treatment plant.
  - The Salitrillo Wastewater Treatment Plant (WWTP) continues to operate over 75 percent of its permitted daily average flow of 5.83 million gallons per day (MGD) and needs to be expanded to the final phase of 7.33 MGD to accommodate development and growth in the Salitrillo Service Area. The Salitrillo WWTP Expansion and Improvements project is estimated to cost \$29 million.
  - Over the past five years the Salitrillo System has seen an average increase in single family residential connections of 1.6 percent per year, representing approximately 270 connections per year. Over the next five years the River Authority anticipates this average annual increase to remain at the same rate.
  - The River Authority currently has a ten year capital improvement and repair and replacement plan for this system as well. The rate model used to determine needed rate also changes incorporates the plan's identified replacements and improvements.
  - Based on current growth in the system and the capital improvements needed over the next ten years, River Authority staff are projecting double-digit rate increases for multiple years. When compared to other comparable systems, the existing rates are currently near the lowest.
- Randolph Air Force Base Wastewater Operations Agreement
  - The River Authority provides wastewater collection system management services for the Randolph Air Force Base. That contract requires the River Authority to make annual improvements to the system. In FY 2017/18, staff submitted a new schedule that grouped multiple years of projects together. The River Authority is entering Year 17 of the Randolph Renewals and Replacements Program. Year 17 will mark the second year of a five year accelerated schedule. During this five year period the River Authority anticipates spending \$4,937,757, which is a significant increase over previous five year periods. It is anticipated that over the life of the contract, grouping projects will create efficiencies and potentially result in lower costs for the contractually obligated improvements.

## New for FY 2019/20

Across all funds there is \$42,717,529 of new funding. Funding is spread out across the General Fund, Special Revenue Funds, Capital Project Funds, and Enterprise Funds. New resources include personnel, operations, capital, and project funding. A summary table of new resources can be found in the Appendix as well as each Department narrative located in the General Fund and Utility Funds sections.



### General Fund



For FY 2019/20, \$1,563,285 in new resources is funded through the General Fund. This includes \$269,010 for personnel, \$511,788 for operations, and \$782,487 for capital. Compared to FY 2018/19 funding for new resources decreased by 58%. This can be explained by a couple factors. In FY 2018/19 more positions were authorized, a larger amount of investment was made in capital equipment renewal and new resources, such as vehicles, and the first full year of operations and maintenance for San Pedro Creek Culture Park was funded. Since personnel and operations and maintenance expenditures for San Pedro Creek Culture Park are reoccurring those

resources were already included in the base budget for FY 2019/20.

### General Government

#### Organization Support

Records Management.....	\$12,350
Department Promotions.....	\$61,788

#### Facilities

Truck – WSE.....	\$35,000
Truck – WSE.....	\$35,000
Truck – ESD.....	\$35,000
Truck – WPO.....	\$35,000

#### Finance

Training Program.....	\$10,000
Vendor Management.....	\$15,688
Report Development.....	\$10,000

#### Intergovernmental and Community Relations

River Rally 2020.....	\$42,500
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#### Information Technology

Limited Term Employee.....	\$53,925
FOIA Request Application.....	\$15,000
Disaster Recovery.....	\$20,000
GIS Technology.....	\$6,000
Cyber Security.....	\$25,000
Data Development Plan for GIS.....	\$25,000
Conference Room Cable Management....	\$25,000
Misc. Departmental Software.....	\$15,000
ONESolution Upgrade.....	\$22,570

**Program Support and Services**

**Environmental Sciences – Planning & Admin.**

Two GPS Units.....	\$19,000
San Pedro Creek Monitoring Site.....	\$22,487

**Environmental Sciences – Laboratory**

Computer.....	\$3,000
Inventory Management Renewal.....	\$3,000
Molecular Biologist.....	\$65,274
Metals Microwave Digester.....	\$44,000
Labware Washer.....	\$18,000

**Real Estate**

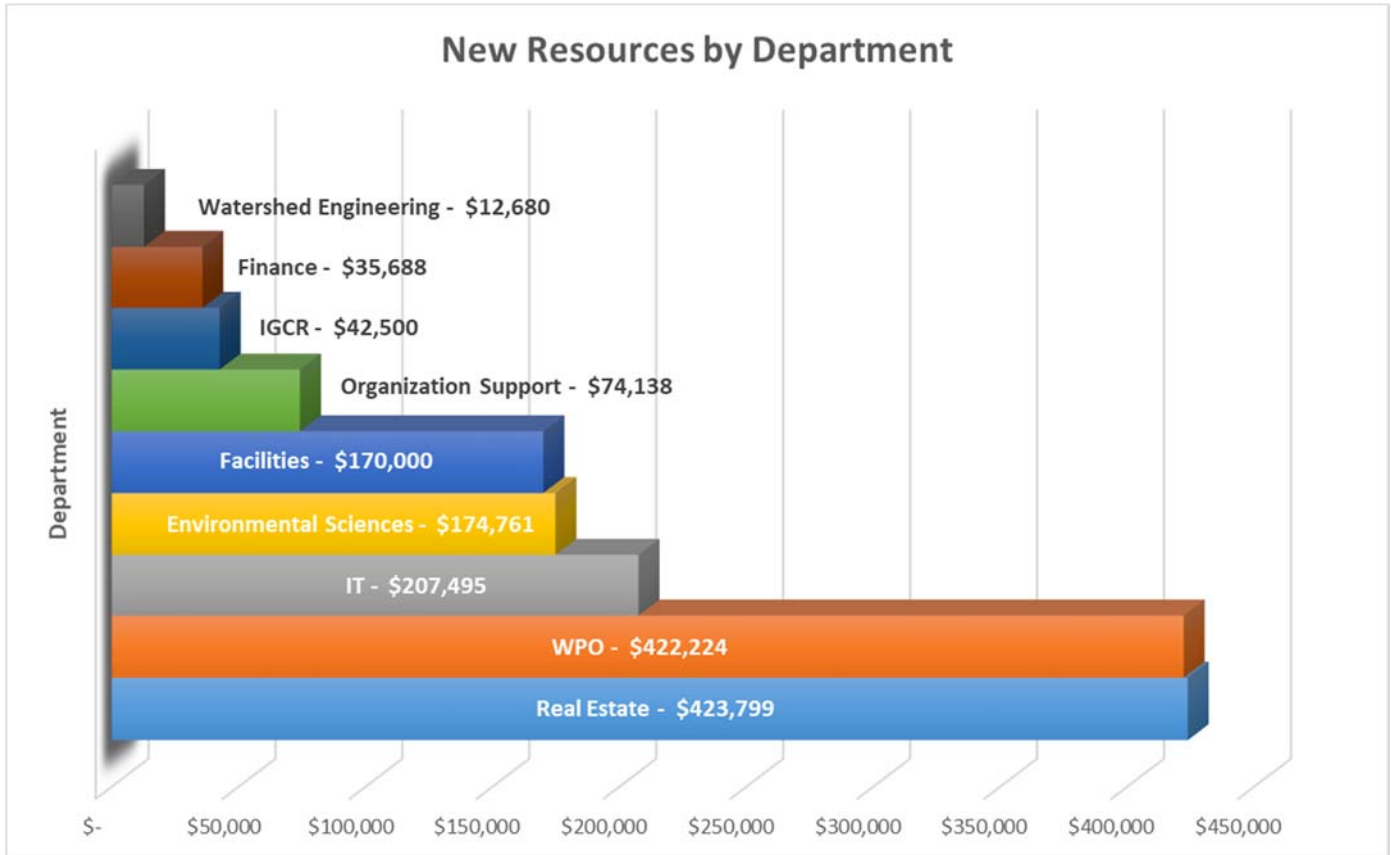
Limited Term Employee.....	\$53,799
Straus Medina Property.....	\$370,000

**Watershed Engineering**

WMS Network License.....	\$11,100
WMS Network License Annual Maintenance.....	\$61,788

**Watershed and Park Operations**

Park Technician I.....	\$11,408
Park Technician I.....	\$11,408
Park Technician I.....	\$11,408
Truck for new Park Technicians.....	\$40,000
Desktop Computer for New Park Technicians.....	\$2,000
Pressure Washer with Trailer.....	\$10,000
Zero Turn Mower for Escondido Creek Parkway.....	\$9,000
Small Tools and Supplies for Escondido Creek Parkway.....	\$18,000
Trail Panel Maintenance - Mission Reach.....	\$20,000
Seal Coat Orchard Road at Helton Nature Park.....	\$60,000
Museum Reach River of Lights.....	\$100,000
Pedestrian Counters.....	\$19,000
Interactive Kiosk at Museum Reach.....	\$50,000
Truck.....	\$60,000



## Enterprise Funds

For FY 2019/20 \$558,400 in new resources are funded through the Utility Enterprise Funds. This includes \$93,900 for operations and \$404,500 for capital expenditures. Compared to FY 2018/19 funding for new resources decreased by 30%. The main drivers of the decrease in FY 2019/20 is twofold. First, the annual operating cost of the new Martinez IV WWTP is included in the base budget for FY 2019/20. Second, less capital equipment is being purchased in this budget.



### *Salitrillo Wastewater Operations*

RAS Pumps.....	\$22,500
Roll Off Truck.....	\$135,000
Tractor Trailer.....	\$112,000
SCADA.....	\$25,000
Computer Replacement.....	\$4,000

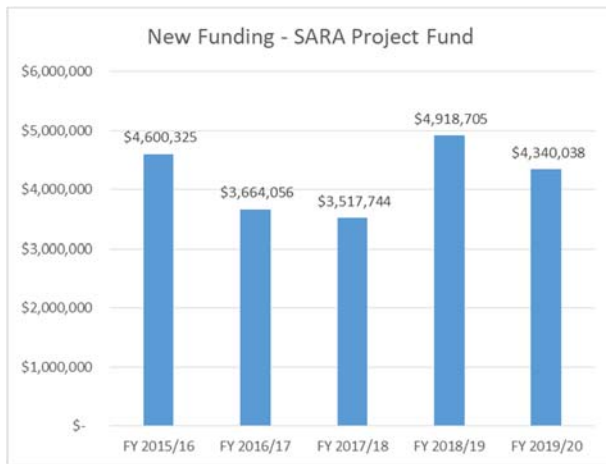
### *SARA Wastewater Operations*

Floating Aerator – Upper Martinez.....	\$30,000
SCADA.....	\$25,000
Pickup Truck with Flatbed.....	\$60,000
Pickup Truck .....	\$60,000
Pickup Truck .....	\$60,000
ATV – Martinez IV.....	\$15,000
Computer Replacement.....	\$9,900



## SARA Project Fund

\$4,340,038 is included in the FY 2019/20 Adopted Budget for the SARA Projects Fund via a transfer from the General Fund. Of the \$4.3 million, \$250,000 is for new projects, \$4,024,698 is new funding for existing projects, and \$65,340 is funding reallocated from savings on projects that closed or released authorized budget in the previous year. Compared to FY 2018/19 this represents a 12% decrease in SARA Project funding. The main driver of the decrease in funding is the commitment to the continued acceleration of key projects, including Predictive Flood Modeling and Floodplain Remapping (2018) – Leon, Salado, and Medina, and the advance of SARA Project funding for the Escondido Creek Parkway Project during FY 2018/19. Funding made available in FY 2018/19 carried forward for these projects was supplemented in this year’s budget. The remaining funds plus new resources will keep the projects on their planned timeline. Over the life of the SARA Project Fund, started in FY 2015/16, the amount of new funding is slightly higher than the average of \$4.1 million per year.



### New Project Funding

Clean Rivers Program 2017/SARA Stream Monitoring.....	\$5,000
Edwards Aquifer Watershed Protection.....	\$1,000
Espada Park.....	\$150,000
Facilities Acquisition/Improvements Project.....	\$1,000,000
Floodplain Remapping (2018) – Leon, Salado, and Medina...	\$1,000,000
Freshwater Mussel Propagation.....	\$90,798
Impervious Cover Mitigation.....	\$136,438
Kenedy Operations Center.....	\$65,340
Asset Management (Lucy).....	\$100,000
Predictive Flood Modeling.....	\$900,000
River Road Stream Restoration.....	\$200,000
Site-Scale Model Development.....	\$235,462
Trash and Floatables Mitigation – Olmos Creek.....	\$56,000
Watershed Wise Rebate Program.....	\$400,000

## Park Resources Development Fund

For FY 2019/20 \$66,085 was reallocated from the John William Helton San Antonio River Nature Park Project and the Nature Park Signage Project along with an additional \$18,575 from the Unrestricted Balance to expand and upgrade the Kenedy shop. The shop and office building need to be extended to accommodate three new Park Technicians, equipment, and materials for the new Escondido Creek Parkway. Combined with the SARA Project Fund, this brings the total Kenedy Operations Center Project to \$150,000.

## Grants Fund

In FY 2018/19 the Texas Commission on Environmental Quality (TCEQ) extended the agreement for the Clean Rivers Program and added an additional \$570,540 to the project. This funding provides for the analysis and data gathered management of surface water samples collected throughout the basin.

Additionally, in FY 2018/19 the River Authority was awarded a Texas Parks and Wildlife Department (TPWD) Local Park Grant for \$500,000 for the Escondido Creek Parkway Project. The FY 2018/19 Budget was not amended to reflect this award therefore it is represented as new funding for the FY 2019/20 Adopted Budget.

**Capital Project Funds**

The FY 2019/20 Adopted Budget includes additional external funding for two projects. First, the Escondido Creek Parkway Project has received an additional \$245,000 in various donations. The River Authority receives donations throughout the year from the San Antonio River Foundation. Second, the Westside Linear Creekways Trails and Elmendorf Lake Park Project is receiving an additional \$541,648. This includes \$26,874 in funding for the Elmendorf Lake Park Pool project and \$514,774 for the Apache Creek Lighting project. The funding is authorized by Amendment No. 9 of an agreement between the River Authority and the City of San Antonio.

**Utility Capital Improvement Funds**

The largest increase in new resource funding is in the Utility Capital Improvement Funds. Overall, \$34,313,958 is included in the FY 2019/20 Adopted Budget. This includes \$30,041,262 in the Salitrillo Construction and Improvements Fund, \$3,268,867 in the SARA Wastewater Systems Construction and Improvements Fund, and \$1,003,829 in the Randolph AFB Renewals and Replacement Fund. The \$34.3 million is highlighted by \$545,000 is for newly authorized projects, \$29 million in anticipated debt financing provided to advance the Salitrillo WWTP expansion, and the remainder is new funding for active projects authorized in prior years.

**New Utility Project Funding**

<b><u>Salitrillo C&amp;I Fund (81)</u></b>	
Salitrillo & Martinez Sewershed Models.....	\$160,000
Salitrillo Collection System I/I.....	\$858,762
Salitrillo WWTP Expansion and Improvements.....	\$29,000,000
Utility Optimization Plan.....	\$22,500
<b><u>SARA WW C&amp;I Fund (80)</u></b>	
Martinez IV Collection System CIP.....	\$2,400,000
Martinez IV WWTP Expansion.....	\$500,000
Salitrillo & Martinez Sewershed Models.....	\$346,367
Utility Optimization Plan.....	\$22,500
<b><u>RAFB R&amp;R Fund (83)</u></b>	
RAFB Year 17.....	\$1,003,829



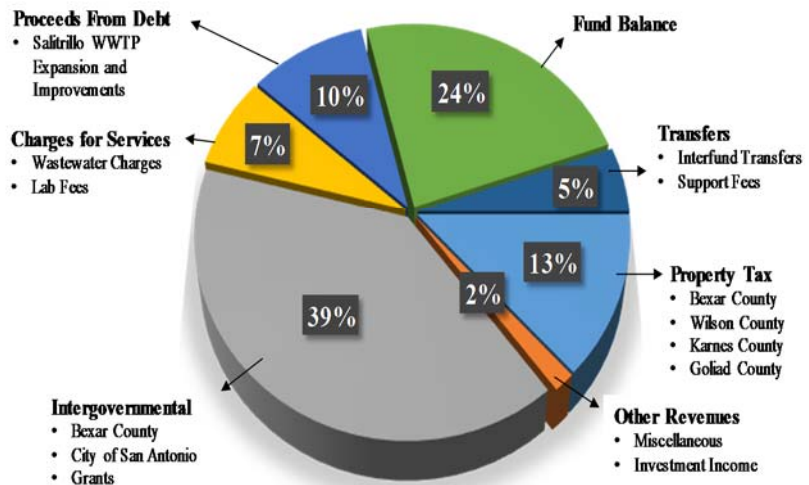
## Fiscal Year 2019/20 Adopted Budget Revenues

### Overview

Developing the annual budget is a multiple month process where the River Authority staff performs analysis of the current level of service and activities taking place, identifies strategic opportunities, and makes projections for what is expected to occur in the next fiscal year. Revenues are a key component of this process. Staff evaluates current revenues, trends from prior fiscal years and factors in changes that will impact revenues in the budget year to determine the budgeted revenue levels. Below is analysis of major fluctuations year over year and other key information related to revenues by fund and major category. Additional detail for the various categories of revenue by type and/or fund that contributed to the final budgeted revenues is available throughout the rest of the annual budget detail document.

The FY 2019/20 Adopted Budget for the River Authority includes total available funds of \$257,202,017 across all funds with \$196,299,864 in budgeted revenues accounted for in various categories and \$60,902,153 in beginning fund balances and reserves. This results in total revenues budgeted to decreasing by over \$30 million or 13 percent in comparison to the FY 2018/19 Amended Budget revenues. The River Authority has three main sources of revenue – property taxes which are recorded in the General Fund; intergovernmental revenue which includes payments from other public entities for work performed by the River Authority, particularly on capital improvement projects; and charges for services which comes mainly from utility wastewater services.

### Total Available Funds: \$257,202,017



### Taxes, Penalties, and Interest – All Funds

Given the timing of the fiscal year for the River Authority, ad valorem property tax revenues are developed using historical actuals and trends to project estimates for the current year as well as preliminary values provided by the four counties (Bexar, Wilson, Karnes and Goliad) served by the River Authority. Tax appraisers of the four counties deliver the preliminary taxable value estimates with an understanding that some values may be protested. Analysis for each county is

performed on previous year actuals, the proposed change in values, a collection rate factor, and the estimated impact of property values under protest. The River Authority takes a conservative approach to projecting property tax revenue in instances where dramatic swings in homestead values occur since values are not certified until late July, after the annual budget is adopted by the Board of Directors. Once final values are received and the tax rate is set in September, the property tax revenue in the adopted budget may be adjusted to reflect the actual values and adopted tax rate.

All taxes, penalties and interest are accounted for in the General Fund. Additional detail on the changes and key factors year over year is presented below under the General Fund heading.

### **Intergovernmental Revenue – All Funds**

The most significant category of revenue for the budget is Intergovernmental Revenues. These revenues come primarily from third party agreements that assist in funding the River Authority's delivery of project management or other services throughout the year. Intergovernmental Revenue consists of monies obtained from other governments and can include grants, shared flood control taxes, loans, and advances. The amount of revenue from these sources is driven by individual contracts and grant awards. Therefore, during the budget development process, a review of all existing agreements and/or commitments is completed to determine the appropriate revenues to reflect in the adopted budget. Project budgets are shown (expenditures and revenues) at the full cost of the entire project within the Projects section of this annual detail budgets book; however, the annual budget adopts the remaining available funds as the revenue – and expenditure – amounts for the fiscal year.

Of the 28 funds represented in the FY 2019/20 annual budget, 18 funds designate a budget for Intergovernmental Revenues. Across all funds, Intergovernmental Revenue is budgeted at \$101,468,799, a slight decrease from the FY 2018/19 Adopted Budget as a result of completed capital improvement project expenditures. Over 77 percent (\$78,591,628) of the total Intergovernmental Revenues are commitments from Bexar County and the City of San Antonio in support of the Westside Creeks projects, primarily the San Pedro Creek Improvement project.

### **Charges for Services – All Funds**

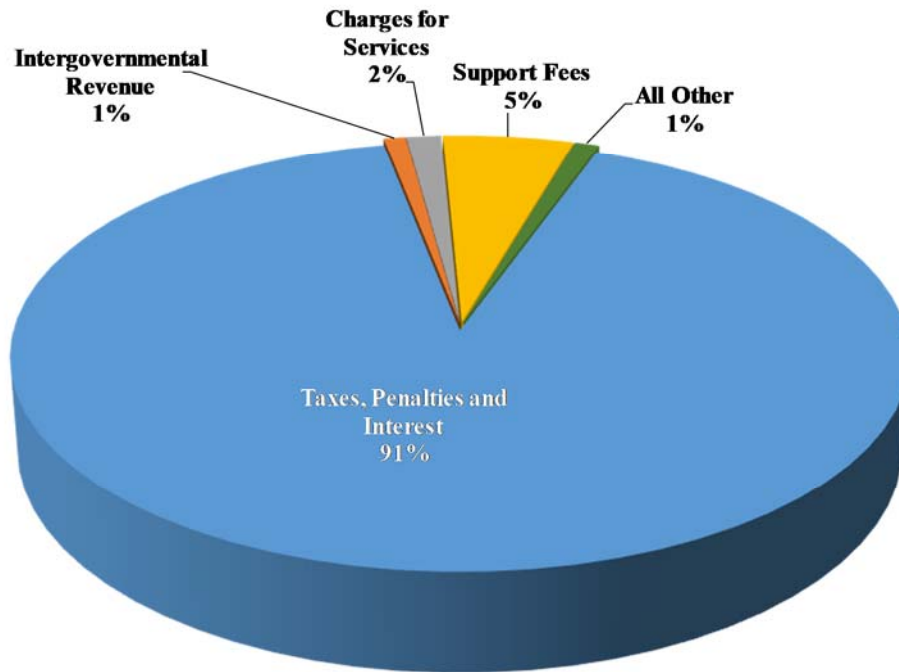
The River Authority generates revenues categorized as Charges for Services made up from wastewater services in the form of sewer fees, fees for laboratory services, and other user fees.

Of the eight funds showing revenues generated from Charge for Services, the San Antonio River Authority and Salitrillo Wastewater Systems, Insurance Fund and the General Fund are the most notable. Described in further detail below, this category remains basically unchanged from the FY2018/19 Budget. The total across all funds is \$19,109,970 for FY 2019/20.

## General Fund

The FY 2019/20 Adopted Budget for the General Fund includes total revenues of \$36,506,462. This represents a 3.5 percent increase in comparison to the FY 2018/19 Amended Budget of \$35,163,752. Of the total revenue, \$33,361,485 or 91 percent comes from property taxes, \$1,939,977 or 5 percent from support fees paid by the utility enterprise funds for services provided by General Fund staff (Human Resources, Finance, Facilities, Intergovernmental and Community Relations, etc.), and \$515,000 or slightly less than 2 percent from charges for services such as laboratory fees. Below is a summary of all sources of General Fund revenues.

### FY 2019/20 General Fund Revenues by Category



Taxes, Penalties and Interest	\$ 33,361,485
Intergovernmental Revenue	325,000
Charges for Services	515,000
Support Fees	1,939,977
All Other	365,000
<b>Total Revenue</b>	<b>\$ 36,506,462</b>

### **Taxes, Penalties and Interest**

As demonstrated by the graph above, property tax revenue is without question the most significant revenue source into the General Fund which support the day to day operating activities of the River Authority. The existing rate of 1.858 cents per \$100 in property valuation is proposed to remain steady for FY 2019/20. Across the four counties included in the River Authority's district, increases in values in three counties overshadow a small decrease in the fourth county leading to the increased revenue projected for the upcoming year.

As stated, based on preliminary values provided by each appraisal district in all four counties, property value changes are projected to vary by county with three counties showing an increase in values: Bexar County values, the most impactful as it relates to tax revenue generation, have been estimated by the Bexar Appraisal District to increase in excess of 6 percent. The adopted budget includes increased values of 6.5 percent for Bexar County (as applied by River Authority staff to take into consideration factors that may not materialize), 3.7 percent in Karnes, 15.8 percent for Goliad County, and a decrease of 0.6 percent for Wilson County (the three downstream counties are based on information provided by the respective appraisal district). For 2019, the total property values across the district are expected to be above \$180 billion for the first time in recent history. This continued growth, especially in Bexar County, has helped maintain the existing tax rate and increase revenues to support the mission and vision of the River Authority. For FY 2019/20, the River Authority is continuing to support several key projects started in FY 2018/19 to include floodplain remapping, low impact development rebates, and investments in enhanced predictive modeling capabilities.

### **Investment Earnings**

The River Authority actively manages its cash to maximize investment earnings across all funds. The General Fund represents a significant portion of the overall investment portfolio. For FY 2019/20, the budgeted investment earnings for this fund total \$350,000 which is fifty five percent higher than the FY 2018/19 budget. The increase was based on actuals and the following:

- Interest rates are expected to remain level into next fiscal year.
- Staff has become much more active in the management of investments and cash flow.

### **Intergovernmental Revenue**

Intergovernmental Revenue for the General Fund totals \$325,000, a 40 percent decrease as compared to the FY 2018/19 Amended Budget. Sources of revenue for this category include:

- Notes receivable from loans or other commitments for repayment to the River Authority;
- Payments for services the River Authority performs through General Fund staff labor, such as the operation and maintenance of seventeen flood retardant structures for Karnes County.
- For FY 2019/20, it is expected to see a decrease in intergovernmental revenue for project management services for the Concepcion Creek Outfalls project as it is coming to a close.

## **Charges for Services**

The River Authority performs various services for which charges are collected. For FY 2019/20, total budgeted revenue in Charges for Services is reduced again for the second consecutive year to \$515,000. Assumptions used in reducing this source of revenue include:

- Revenue from laboratory services did not meet higher projection established for FY 2018/19. The forecast for these services is not expected to increase given some operating constraints and the discontinuation of drinking water services.
- Most services in this category are expected to remain flat.

## **Support Fees**

Support Fees are fees charged to the utility enterprise operations for the use of centralized services provided by General Fund funded staff. The functions that contribute to the calculation of the annual support fee include but are not limited to: Human Resources, Finance, Facilities, Intergovernmental and Community Relations (IGCR), Information Technology, and executive support. The total support fee charge is distributed across all the utility functions including agreements in place with other customers of the utility enterprise. For FY 2019/20, there is a slight decrease in the support fees in comparison to the FY 2018/19 Amended Budget. The methodology for calculating the utility contribution for services is based on cost allocation of the services identified above and depends on the utility's budgeted expenditures in comparison to General Fund expenditures but the impact on customer Utility rates is also a factor. The total Support Fee amount for FY 2019/20 is \$1,939,977.

## **Utility Funds**

### **Randolph Air Force Base Fund**

Randolph Air Force Base pays the River Authority a monthly fee composed of Operations and Maintenance (O&M) and Renewal and Replacement (R&R) components established in the utility service contract awarded as a result of privatization efforts of the federal government. The O&M portion of the monthly charge accounts for all revenues into this fund. Annual revenues remain fairly constant year over year and are set by contract. For FY 2019/20, the budgeted revenues from RAFB to operate the wastewater system (O&M fund) are projected to be \$360,900.

- Changes in revenues for this fund result from either adjustments based on the economic price adjustment (EPA) process outlined by the Defense Logistics Agency (DLA), which would increase the annual payment for services, or the allocation between the O&M and R&R capital fund.

### **Salitrillo Operating Fund**

In FY 2019/20, total revenues are budgeted at \$5,852,668 for all wholesale wastewater, retail wastewater, and reuse water services generated by the Salitrillo Wastewater System.

- Charges for Services increase 16.5 percent in comparison to the FY 2018/19 Amended Budget of \$4,526,115. The increase in Charges for Services is generated by an increase in the wholesale customer rates, equating to an estimated increase of \$2.51 in the monthly sewer charge, as compared to the previous year. Customer growth accounts for the remaining increase in revenue. Rate adjustments were instituted as part of continued effort to support the proposed multi-year plan to provide funding that supports operations and

maintenance and provides funding for the ten year capital improvement plan to include launching the Salitrillo plant expansion;

- Intergovernmental Revenues are \$566,552 for FY 2019/20.

### **San Antonio River Authority Wastewater Systems Operating Fund**

For FY 2019/20, revenues for the SARA Wastewater System, to include revenue generated from the various operating agreements, is budgeted at \$10,629,973.

- Charges for Services increase 3.7 percent to \$9,924,523 in FY 2019/20. The increase in Charges for Services is generated by an increase of just over 2 percent in customer rates, equating to an estimated increase of \$.97 in the monthly sewer charge, as compared to the previous year as well as a projected increase in the customer base. Rate adjustments were instituted as part of a continued effort to support the proposed multi-year plan to provide funding that supports operations and maintenance as well as providing funding for the ten year capital improvement as well as debt service obligations on the newly opened Martinez IV Wastewater Treatment Plant;
- Intergovernmental Revenue is projected to decrease to \$510,450 for FY 2019/20 (including the contractual services revenue described above) it is anticipated that some local requests for support from other governmental agencies may discontinue or be reduced.

## **Special Revenue Funds**

### **Edwards Water Acquisition/Regional Water Resources Development Group (RWRDG) Fund**

In FY 2019/20, revenues from payments for water rights purchase agreements on behalf of RWRDG members is captured as budgeted revenue. All revenues for this fund total \$276,600 which is relatively flat compared to the previous fiscal year.

### **Grants Fund**

The FY 2019/20 Adopted Budget is significantly lower than the FY 2018/19 Amended Budget due to the completion of a significant amount of work awarded in previous years, mainly for dam rehabilitation, but does reflect 12 existing and new grants. For FY 2019/20, the Grants Fund revenues are budgeted at \$5,884,566.

### **Park Resources Development Fund**

There has been a steady decline in revenues for this fund as a result of a reduction in leasing and licensing activity over the last several years. Often revenues stem from pipeline crossings of the creeks and river, which are expected to increase in activity next year. For FY 2019/20, revenues are projected at \$53,000.

### **Regional Water Alliance Fund**

Revenue comes from annual membership dues paid by the respective members. Annual revenues are projected to increase to \$4,450 for FY 2019/20.

### **San Antonio Construction and Improvements Project Land Sales Fund**

In anticipation of the continuing existing license and rental agreements, revenues are expected to decrease slightly by approximately \$5,000 in the coming year. For FY 2019/20 revenues are budgeted at \$62,995.



### **San Antonio River Authority Public Facilities Corporation Fund**

Revenues to the Public Facilities Corporation for the lease payments come in the form of a transfer from the River Authority's General Fund operating budget. For FY 2019/20, the budgeted revenue is \$181,386, an amount equal to the annual debt service requirement.

### **San Antonio River Authority Industrial Development Authority Fund**

There are no new sources of revenue for this fund. It's only expected revenue for FY 2019/20 is \$150 in investment income.

### **South Texas Regional Water Planning Group Fund**

For FY 2019/20, revenues to support this program are budgeted at \$571,094, a decrease from FY 2018/19 Amended Budget of \$746,132.

## **Capital Project Funds**

### **San Antonio River Authority Projects Fund**

Revenue of \$5,529,160 will be transferred from the General Fund for projects and additional reserves, which is an increase of \$575,455 from the FY 2018/19 Amended Budget. This fund also includes the Unrestricted Reserve established by the Board of Directors in the adopted fund balance policy and is budgeted to have a balance of \$3,792,737 for FY 2019/20. This reserve can be used for any purpose including acquisition of facilities, water, water rights or other activities approved by the Board.

### **Other Capital Projects Fund**

The River Authority maintains a separate capital fund that serves to segregate unique and non-recurring capital project revenues for which a fund does not exist. For FY 2019/20 this fund contains three projects which generate revenue in the budget. The River Authority has budgeted \$3,693,554 in revenue for next fiscal year, all of which is intergovernmental revenue along with just over \$300,000 in beginning fund balance.

- \$91,002 to continue project efforts per an agreement with the Brooks Development Authority at Brooks City Base;
- \$208,550 to support Huebner Creek improvements;
- \$3,696,942 in utility reimbursements for San Pedro Creek Culture Park project.

### **San Antonio River Authority Capital Projects Funds – Partner Funded**

The River Authority has various external funding agreements that help contribute to projects and other initiatives included in the River Authority's annual budget. Two of the larger entities the River Authority works with are Bexar County and the City of San Antonio. The other three counties served by the River Authority – Karnes, Wilson and Goliad (Downstream Counties) – contribute to projects in these areas. Eight funds maintain and account for Bexar County and City of San Antonio revenues. For FY 2019/20, revenues budgeted for Bexar County and City of San Antonio operating funds total to \$92,732,791. This amount is primarily in support of the Westside Creeks projects, to include the San Pedro Creek Culture Park Project. The downstream counties are budgeted at \$420,000 to support the Escondido Creek Parkway project.

The funds that are used to account for the Intergovernmental Revenue from River Authority funding parties for capital improvement projects are listed below.

*Bexar County Funds - \$51,260,400*

- Bexar County Capital Improvements Projects Fund - \$202,181
- Bexar County Capital Projects Fund - \$0
- Bexar County San Antonio River Improvements Flood Tax Fund - \$699,825
  - *Significant decrease results from a one-time payment to reimburse Bexar County for money received from the United States Army Corp of Engineers.*
- Bexar County Westside Creeks Restoration Projects Fund - \$50,358,394

*City of San Antonio Funds - \$41,472,391*

- City of San Antonio Capital Improvements Projects 1999 Fund - \$0
- City of San Antonio Capital Improvements Projects Fund - \$4,840,346
  - *The City of San Antonio has made commitments to support the Broadway Underpass, Concepcion Creek Outfall, and River Walk Sculpture Garden Art projects.*
- City of San Antonio Westside Creeks Restoration Projects Fund - \$28,233,234

*Downstream Capital Improvements Projects Fund - \$420,000*

*Medina Dam Fund - \$160,000*

All revenue for this fund comes in as Intergovernmental Revenue as a result of incurred litigation expense by the River Authority.

***Utility Funded Capital Improvement Project Funds***

The River Authority maintains three capital funds (shown below) that account for capital improvement projects that support the plants operated under the utility enterprise. Revenues generated through these funds typically come from transfers from the corresponding utility operating fund, by way of rates charged for services, or by connection fees paid to access the wastewater system. Funding can also come from debt issuances. The exception to this is the Randolph Air Force Base Renewal and Replacement Fund which is funded primarily by monthly payments from the federal government defined by the operating agreement. These revenues held in construction and improvement funds support any and all construction, replacement or renewal of plant resources across utility enterprises that the River Authority operates. Below are the highlights of key revenues to each of these funds:

*San Antonio River Authority (SARA) Wastewater Construction Fund - \$5,695,000*

- Connection Fees projected at \$2,645,000 that support renewal and development of plant capacity. These fee estimates reflect growth in the service area.
- Transfers from the SARA Wastewater operating fund of \$2,900,000 to reserves to support future capital projects. Changes to the charges for services collected in the O&M fund are anticipated to generate additional revenues that are able to support future projects identified on the Capital Improvements Plan (provided in the Annual Detail Budget Book).

Salitrillo Construction Fund - \$27,897,500

- Connection Fees are projected to remain stable at \$322,500. These fees support renewal and development of plant capacity.
- For FY 2019/20, a transfer of \$2,500,000 is scheduled. Work during the budget process to reduce operating expenses and adjust wholesale rates put this fund in position to resume the transfer to the C&I fund this fiscal year.
- As a result of the impending plant expansion during FY 2019/20, we are expecting proceeds from debt totaling \$25,000,000.

Randolph Air Force Base (RAFB) Renewal and Replacements (R&R) Fund - \$1,505,613

- Intergovernmental Revenue from the federal government is budgeted as \$1,505,613 for FY 2019/20. Year 16 Projects approved in the FY 2018/19 Adopted Budget were the first year of a five year acceleration plan. The FY2019/20 includes accelerated funding for both Year 16 and Year 17 projects.

**Other Funds**

**Debt Service Fund**

For FY 2019/20, revenues in the Debt Service Fund are expected to decrease slightly to \$3,545,811. The Debt Service Fund accounts for all non-utility debt payments.

- Bexar County, through the flood control tax, will contribute \$2,937,838 in revenue to service debt issued by the River Authority.
- The remaining revenue comes from a transfer from the River Authority's General Fund (\$592,974) and investment income (\$15,000).

**Insurance Fund**

The Insurance Fund has two primary sources of revenue: premiums paid by the River Authority as an employer contribution and premiums paid from employees. This revenue supports the annual operation of this fund. For FY 2019/20, the total budgeted revenues for the Insurance Fund are \$3,141,613.

<b>Revenues</b>				
<b>Fiscal Year Ending June 30, 2020</b>	<b>FY 2017/18 Actual</b>	<b>FY 2018/19 Amended Budget</b>	<b>FY 2018/19 Estimate</b>	<b>FY 2019/20 Budget</b>
<b><u>GENERAL FUND (01)</u></b>				
<b><u>Property Taxes</u></b>				
Property Taxes - Bexar County	\$ 25,039,016	\$ 29,356,024	\$ 29,221,468	\$ 31,046,384
Property Taxes - Karnes County	994,699	1,108,897	1,308,352	1,315,814
Property Taxes - Goliad County	156,639	160,659	172,547	191,699
Property Taxes - Wilson County	520,705	552,202	598,070	583,838
Delinquent Taxes	661,874	550,000	187,159	250,000
TIRZ	(49,555)	(26,250)	(26,250)	(26,250)
<i>Subtotal - Property Taxes</i>	<i>27,323,379</i>	<i>31,701,532</i>	<i>31,461,345</i>	<i>33,361,485</i>
<b><u>Investment Earnings</u></b>				
Investment Earnings	286,576	225,000	386,935	350,000
<i>Subtotal - Investment Earnings</i>	<i>286,576</i>	<i>225,000</i>	<i>386,935</i>	<i>350,000</i>
<b><u>Intergovernmental Revenue</u></b>				
Intergovernmental Revenue	350,320	547,690	378,913	325,000
Federal Grant Revenue	26,468	-	55,000	-
Sponsorships	160,703	10,000	1,000	-
<i>Subtotal - Intergovernmental Revenue</i>	<i>537,491</i>	<i>557,690</i>	<i>434,913</i>	<i>325,000</i>
<b><u>Charges for Services</u></b>				
Lab Samples	192,376	160,000	156,274	150,000
Equipment Usage Reimbursement	-	-	-	-
Administrative Fee	54,000	30,000	46,520	40,000
Rentals/Leases	72,021	60,000	29,085	30,000
Parks Usage Fees	200	12,000	-	-
Event Trail Usage Fee	13,973	-	3,450	-
Water Sales	272,211	264,000	274,006	260,000
Gate Receipts	320	-	105	-
Sale of Fixed Assets	-	-	1,000	-
San Antonio River Foundation	-	35,969	35,969	35,000
<i>Subtotal - Charges for Services</i>	<i>605,101</i>	<i>561,969</i>	<i>546,409</i>	<i>515,000</i>
<b><u>Miscellaneous</u></b>				
Miscellaneous	84,570	100,000	12,539	15,000
ICMA Retirement	22,048	-	14,220	-
Election Filing Fees	500	-	-	-
Participant Fees	6,678	8,000	-	-
Interest Earning NR	-	8,000	-	-
Sale of Hay	12,265	5,000	16,310	-
<i>Subtotal - Miscellaneous</i>	<i>126,060</i>	<i>121,000</i>	<i>43,069</i>	<i>15,000</i>
<b><u>Support Fees</u></b>				
SARA Wastewater Systems	1,487,417	1,513,473	1,513,473	1,325,623
Salitrillo Wastewater System	813,745	483,088	483,088	614,354
<i>Subtotal - Support Fees</i>	<i>2,301,162</i>	<i>1,996,561</i>	<i>1,996,561</i>	<i>1,939,977</i>
<b><u>Transfers</u></b>				
Transfers	-	-	-	-
Insurance Proceeds	78,131	-	-	-
<i>Subtotal - Transfers</i>	<i>78,131</i>	<i>-</i>	<i>-</i>	<i>-</i>
<b>TOTAL GENERAL FUND</b>	<b>\$ 31,257,900</b>	<b>\$ 35,163,752</b>	<b>\$ 34,869,232</b>	<b>\$ 36,506,462</b>

<b>Revenues</b> <b>Fiscal Year Ending June 30, 2020</b>	<b>FY 2017/18</b> <b>Actual</b>	<b>FY 2018/19</b> <b>Amended Budget</b>	<b>FY 2018/19</b> <b>Estimate</b>	<b>FY 2019/20</b> <b>Budget</b>
<b><u>DEBT SERVICE FUND (02)</u></b>				
<b><u>Investment Earnings</u></b>				
Investment Earnings	\$ 31,459	\$ 20,000	\$ 14,342	\$ 15,000
<i>Subtotal - Investment Earnings</i>	<i>31,459</i>	<i>20,000</i>	<i>14,342</i>	<i>15,000</i>
<b><u>Transfers</u></b>				
Transfers - General Fund	596,184	599,557	599,557	592,974
<i>Subtotal - Transfers</i>	<i>596,184</i>	<i>599,557</i>	<i>599,557</i>	<i>592,974</i>
<b><u>Intergovernmental Revenue</u></b>				
Flood Control Tax	3,205,758	2,949,367	2,685,876	2,937,838
ACCD First Responder	-	-	-	-
ACCD Reuse and Universal City Reuse	-	-	-	-
<i>Subtotal - Intergovernmental Revenue</i>	<i>3,205,758</i>	<i>2,949,367</i>	<i>2,685,876</i>	<i>2,937,838</i>
<b>TOTAL DEBT SERVICE FUND</b>	<b>\$ 3,833,401</b>	<b>\$ 3,568,924</b>	<b>\$ 3,299,775</b>	<b>\$ 3,545,811</b>
<b><u>SARA PROJECT FUND (04)</u></b>				
<b><u>Transfers</u></b>				
Transfers (From General Fund)	\$ 3,345,832	\$ 4,953,705	\$ 4,953,705	\$ 5,529,160
Transfers (From Contract Funds)	-	200,000	-	-
<i>Subtotal - Transfers</i>	<i>3,345,832</i>	<i>4,953,705</i>	<i>4,953,705</i>	<i>5,529,160</i>
<b><u>Other Sources</u></b>				
Bond Issuance	-	-	-	-
<i>Subtotal - Other Sources</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>
<b>TOTAL SARA PROJECT FUND</b>	<b>\$ 3,345,832</b>	<b>\$ 4,953,705</b>	<b>\$ 4,953,705</b>	<b>\$ 5,529,160</b>
<b><u>CITY OF SAN ANTONIO SARIP FUND (11)</u></b>				
<b><u>Intergovernmental Revenue/Transfers</u></b>				
Intergovernmental Revenue/Transfers	\$ 2,077,347	\$ 6,113,224	\$ 960,762	\$ 4,840,346
<i>Subtotal - Revenue</i>	<i>2,077,347</i>	<i>6,113,224</i>	<i>960,762</i>	<i>4,840,346</i>
<b>TOTAL COSA SARIP FUND</b>	<b>\$ 2,077,347</b>	<b>\$ 6,113,224</b>	<b>\$ 960,762</b>	<b>\$ 4,840,346</b>
<b><u>BEXAR COUNTY CAPITAL IMPROVEMENTS FUND (13)</u></b>				
<b><u>Intergovernmental Revenue</u></b>				
Intergovernmental Revenue	\$ 10,104	\$ 658,727	\$ 1,217	\$ 202,181
<i>Subtotal - Intergovernmental Revenue</i>	<i>10,104</i>	<i>658,727</i>	<i>1,217</i>	<i>202,181</i>
<b>TOTAL BEXAR COUNTY CIP FUND</b>	<b>\$ 10,104</b>	<b>\$ 658,727</b>	<b>\$ 1,217</b>	<b>\$ 202,181</b>
<b><u>MEDINA DAM FUND (14)</u></b>				
<b><u>Intergovernmental Revenue</u></b>				
Intergovernmental Revenue	\$ 40,345	\$ 120,000	\$ 80,000	\$ 160,000
<i>Subtotal - Intergovernmental Revenue</i>	<i>40,345</i>	<i>120,000</i>	<i>80,000</i>	<i>160,000</i>
<b>TOTAL MEDINA DAM FUND</b>	<b>\$ 40,345</b>	<b>\$ 120,000</b>	<b>\$ 80,000</b>	<b>\$ 160,000</b>

Revenues Fiscal Year Ending June 30, 2020	FY 2017/18 Actual	FY 2018/19 Amended Budget	FY 2018/19 Estimate	FY 2019/20 Budget
<b><u>SACIP LAND SALES FUND (22)</u></b>				
<b><u>Investment Earnings</u></b>				
Investment Earnings	\$ 4,900	\$ 3,000	\$ 2,877	\$ 3,000
Subtotal - Investment Earnings	4,900	3,000	2,877	3,000
<b><u>Charges for Services</u></b>				
License Agreements	41,206	42,400	42,170	59,995
Rental/Leases	12,898	23,175	8,500	-
Sale of Fixed Assets	2,911	-	4,771	-
Subtotal - Charges for Services	57,015	65,575	55,441	59,995
<b>TOTAL SACIP LAND SALES FUND</b>	<b>\$ 61,915</b>	<b>\$ 68,575</b>	<b>\$ 58,318</b>	<b>\$ 62,995</b>
<b><u>PUBLIC FACILITIES CORPORATION FUND (23)</u></b>				
<b><u>Charges for Services</u></b>				
Rental/Leases	\$ 182,283	\$ 182,415	\$ 181,915	\$ 181,386
Subtotal - Charges for Services	182,283	182,415	181,915	181,386
<b>TOTAL PUBLIC FACILITIES CORP FUND</b>	<b>\$ 182,283</b>	<b>\$ 182,415</b>	<b>\$ 181,915</b>	<b>\$ 181,386</b>
<b><u>SAR INDUSTRIAL DEVELOPMENT AUTHORITY FUND (24)</u></b>				
<b><u>Investment Earnings</u></b>				
Investment Earnings	\$ 208	\$ 140	\$ 227	\$ 150
Subtotal - Investment Earnings	208	140	227	150
<b>TOTAL SAR INDUSTRIAL DEV. AUTH. FUND</b>	<b>\$ 208</b>	<b>\$ 140</b>	<b>\$ 227</b>	<b>\$ 150</b>
<b><u>PARK RESOURCES DEVELOPMENT FUND (26)</u></b>				
<b><u>Investment Earnings</u></b>				
Investment Earnings	\$ 2,926	\$ 3,000	\$ 2,133	\$ 3,000
Subtotal - Investment Earnings	2,926	3,000	2,133	3,000
<b><u>Charges for Services</u></b>				
Sale of Fixed Assets	54,738	26,000	14,582	50,000
Subtotal - Charges for Services	54,738	26,000	14,582	50,000
<b>TOTAL PARK RESOURCES DEV. FUND</b>	<b>\$ 57,664</b>	<b>\$ 29,000</b>	<b>\$ 16,715</b>	<b>\$ 53,000</b>
<b><u>SOUTH CENTRAL TEXAS PLANNING GROUP FUND (30)</u></b>				
<b><u>Investment Earnings</u></b>				
Investment Earnings	\$ 342	\$ 465	\$ 509	\$ 800
Subtotal - Investment Earnings	342	465	509	800
<b><u>Intergovernmental Revenue</u></b>				
Intergovernmental Revenue	151,599	745,667	121,772	570,294
Subtotal - Intergovernmental Revenue	151,599	745,667	121,772	570,294
<b>TOTAL SCTPG FUND</b>	<b>\$ 151,942</b>	<b>\$ 746,132</b>	<b>\$ 122,281</b>	<b>\$ 571,094</b>

<b>Revenues</b> <b>Fiscal Year Ending June 30, 2020</b>	<b>FY 2017/18</b> <b>Actual</b>	<b>FY 2018/19</b> <b>Amended Budget</b>	<b>FY 2018/19</b> <b>Estimate</b>	<b>FY 2019/20</b> <b>Budget</b>
<b><u>EDWARDS WATER ACQUISITION/RWRDG FUND (31)</u></b>				
<b><u>Intergovernmental Revenue</u></b>				
Intergovernmental Revenue	\$ 282,558	\$ 259,264	\$ 274,893	\$ 275,500
<i>Subtotal - Intergovernmental Revenue</i>	282,558	259,264	274,893	275,500
<b><u>Charges for Services</u></b>				
Administrative Fee	800	1,100	-	1,100
<i>Subtotal - Charges for Services</i>	800	1,100	-	1,100
<b><u>Miscellaneous</u></b>				
Water Acquisitions	-	16,236	-	-
Miscellaneous	-	-	-	-
<i>Subtotal - Miscellaneous</i>	-	16,236	-	-
<b>TOTAL EDWARDS WATER ACQ. FUND</b>	<b>\$ 283,358</b>	<b>\$ 276,600</b>	<b>\$ 274,893</b>	<b>\$ 276,600</b>
<b><u>REGIONAL WATER ALLIANCE FUND (32)</u></b>				
<b><u>Investment Earnings</u></b>				
Investment Earnings	\$ 184	\$ 240	\$ 200	\$ 50
<i>Subtotal - Investment Earnings</i>	184	240	200	50
<b><u>Intergovernmental Revenue</u></b>				
Intergovernmental Revenue	4,600	4,400	4,400	4,400
Sponsorships - Non Governmental				
<i>Subtotal - Intergovernmental Revenue</i>	4,600	4,400	4,400	4,400
<b>TOTAL REGIONAL WATER ALLIANCE FUND</b>	<b>\$ 4,784</b>	<b>\$ 4,640</b>	<b>\$ 4,600</b>	<b>\$ 4,450</b>
<b><u>GRANTS FUND (36)</u></b>				
<b><u>Intergovernmental Revenue</u></b>				
Intergovernmental Revenue	\$ 243,976	\$ 3,101,458	\$ 188,479	\$ 3,864,322
Federal Grant Revenue	930,762	4,751,936	430,524	1,975,396
<i>Subtotal - Intergovernmental Revenue</i>	1,174,738	7,853,394	619,003	5,839,718
<b>TOTAL LOCAL GRANTS FUND</b>	<b>\$ 1,174,738</b>	<b>\$ 7,853,394</b>	<b>\$ 619,003</b>	<b>\$ 5,839,718</b>
<b><u>BEXAR COUNTY SAR IMPROVEMENTS FLOOD TAX FUND (51)</u></b>				
<b><u>Investment Earnings</u></b>				
Investment Earnings	\$ 5,614	\$ 3,000	\$ 19,978	\$ 20,000
<i>Subtotal - Investment Earnings</i>	5,614	3,000	19,978	20,000
<b><u>Intergovernmental Revenue</u></b>				
Intergovernmental Revenue	10,118,369	19,860,605	19,114,985	699,825
<i>Subtotal - Intergovernmental Revenue</i>	10,118,369	19,860,605	19,114,985	699,825
<b>TOTAL BEXAR COUNTY SAR IMPROV FUND</b>	<b>\$ 10,123,983</b>	<b>\$ 19,863,605</b>	<b>\$ 19,134,963</b>	<b>\$ 719,825</b>
<b><u>SACIP 1999 CONTRACT FUND (53)</u></b>				
<b><u>Intergovernmental Revenue</u></b>				
Intergovernmental Revenue	\$ -	\$ -	\$ -	\$ -
<i>Subtotal - Intergovernmental Revenue</i>	-	-	-	-
<b>TOTAL SACIP 1999 CONTRACT FUND</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>

<b>Revenues</b> <b>Fiscal Year Ending June 30, 2020</b>	<b>FY 2017/18</b> <b>Actual</b>	<b>FY 2018/19</b> <b>Amended Budget</b>	<b>FY 2018/19</b> <b>Estimate</b>	<b>FY 2019/20</b> <b>Budget</b>
<b><u>BEXAR COUNTY WESTSIDE CREEK RESTORATION PROJECTS FUND (54)</u></b>				
<b><u>Investment Earnings</u></b>				
Investment Earnings	\$ 30,382	\$ -	\$ 66,555	\$ 30,000
<i>Subtotal - Investment Earnings</i>	30,382	-	66,555	30,000
<b><u>Intergovernmental Revenue</u></b>				
Intergovernmental Revenue	46,242,626	71,461,200	12,910,054	50,328,394
<i>Subtotal - Intergovernmental Revenue</i>	46,242,626	71,461,200	12,910,054	50,328,394
<b>TOTAL BEXAR COUNTY WSC FUND</b>	<b>\$ 46,273,008</b>	<b>\$ 71,461,200</b>	<b>\$ 12,976,609</b>	<b>\$ 50,358,394</b>
<b><u>OTHER CAPITAL PROJECTS FUND (57)</u></b>				
<b><u>Intergovernmental Revenue</u></b>				
Intergovernmental Revenue	\$ 1,171,812	\$ 6,778,912	\$ 2,993,852	\$ 3,693,554
Miscellaneous	354,729	-	-	-
<i>Subtotal - Intergovernmental Revenue</i>	1,526,542	6,778,912	2,993,852	3,693,554
<b>TOTAL OTHER CAPITAL PROJECTS FUND</b>	<b>\$ 1,526,542</b>	<b>\$ 6,778,912</b>	<b>\$ 2,993,852</b>	<b>\$ 3,693,554</b>
<b><u>DOWNSTREAM CAPITAL PROJECTS FUND (58)</u></b>				
<b><u>Intergovernmental Revenue</u></b>				
Investment Earnings	\$ 4,080	\$ 2,000	\$ 12,597	\$ 5,000
<i>Subtotal - Investment Earnings</i>	4,080	2,000	12,597	5,000
Intergovernmental Revenue	1,575,992	1,769,428	1,046,000	415,000
<i>Subtotal - Intergovernmental Revenue</i>	1,575,992	1,769,428	1,046,000	415,000
<b>TOTAL DOWNSTREAM CAP. PROJ. FUND</b>	<b>\$ 1,580,072</b>	<b>\$ 1,771,428</b>	<b>\$ 1,058,597</b>	<b>\$ 420,000</b>
<b><u>BEXAR COUNTY CAPITAL PROJECTS FUND (59)</u></b>				
<b><u>Intergovernmental Revenue</u></b>				
Intergovernmental Revenue	\$ 717,054	\$ 1,486,675	\$ 305,058	\$ -
Miscellaneous	-	-	-	-
<i>Subtotal - Intergovernmental Revenue</i>	717,054	1,486,675	305,058	-
<b>TOTAL BEXAR CO. CAPITAL PROJ. FUND</b>	<b>\$ 717,054</b>	<b>\$ 1,486,675</b>	<b>\$ 305,058</b>	<b>\$ -</b>
<b><u>WESTSIDE CREEK CITY OF SAN ANTONIO FUND (61)</u></b>				
<b><u>Investment Earnings</u></b>				
Investment Earnings	\$ 1,457	\$ -	\$ -	\$ -
<i>Subtotal - Investment Earnings</i>	1,457	-	-	-
<b><u>Intergovernmental Revenue</u></b>				
Intergovernmental Revenue	3,945,918	39,142,743	10,143,827	28,233,234
<i>Subtotal - Intergovernmental Revenue</i>	3,945,918	39,142,743	10,143,827	28,233,234
<b>TOTAL WSC CITY OF SAN ANTONIO FUND</b>	<b>\$ 3,947,374</b>	<b>\$ 39,142,743</b>	<b>\$ 10,143,827</b>	<b>\$ 28,233,234</b>



<b>Revenues</b> <b>Fiscal Year Ending June 30, 2020</b>	<b>FY 2017/18</b> <b>Actual</b>	<b>FY 2018/19</b> <b>Amended Budget</b>	<b>FY 2018/19</b> <b>Estimate</b>	<b>FY 2019/20</b> <b>Budget</b>
<b><u>SARA WASTEWATER SYSTEM OPERATING FUND (70)</u></b>				
<b><u>Investment Earnings</u></b>				
Investment Earnings	\$ 78,659	\$ 50,000	\$ 73,279	\$ 70,000
<i>Subtotal - Investment Earnings</i>	78,659	50,000	73,279	70,000
<b><u>Intergovernmental Revenue</u></b>				
Intergovernmental Revenue	519,303	517,257	488,052	510,450
<i>Subtotal - Intergovernmental Revenue</i>	519,303	517,257	488,052	510,450
<b><u>Charges for Services</u></b>				
Rentals/Leases	69,801	49,375	50,244	50,000
Sewer Fees	8,912,291	9,581,562	9,570,926	9,927,760
<i>Subtotal - Charges for Services</i>	8,982,092	9,630,937	9,621,170	9,977,760
<b><u>Miscellaneous</u></b>				
Miscellaneous	202,037	75,000	104,756	75,000
<i>Subtotal - Miscellaneous</i>	202,037	75,000	104,756	75,000
<b>TOTAL SARA WW SYSTEM OPERATING FUND \$ 9,782,091 \$ 10,273,194 \$ 10,287,256 \$ 10,633,210</b>				
<b><u>SALITRILLO OPERATING FUND (71)</u></b>				
<b><u>Investment Earnings</u></b>				
Investment Earnings	\$ 12,680	\$ 10,000	\$ 17,420	\$ 15,000
<i>Subtotal - Investment Earnings</i>	12,680	10,000	17,420	15,000
<b><u>Intergovernmental Revenue</u></b>				
Intergovernmental Revenue	556,762	563,180	563,180	566,552
<i>Subtotal - Intergovernmental Revenue</i>	556,762	563,180	563,180	566,552
<b><u>Charges for Services</u></b>				
Sewer Fees	3,872,549	4,526,115	4,524,209	5,271,116
Sale of Hay	-	-	-	-
<i>Subtotal - Charges for Services</i>	3,872,549	4,526,115	4,524,209	5,271,116
<b>TOTAL SALITRILLO OPERATING FUND \$ 4,441,992 \$ 5,099,295 \$ 5,104,808 \$ 5,852,668</b>				
<b><u>RANDOLPH AFB CONTRACT FUND (73)</u></b>				
<b><u>Intergovernmental Revenue</u></b>				
Intergovernmental Revenue	\$ 371,115	\$ 349,000	\$ 353,303	\$ 360,900
<i>Subtotal - Intergovernmental Revenue</i>	371,115	349,000	353,303	360,900
<b>TOTAL RANDOLPH AFB CONTRACT FUND \$ 371,115 \$ 349,000 \$ 353,303 \$ 360,900</b>				

<b>Revenues</b> <b>Fiscal Year Ending June 30, 2020</b>	<b>FY 2017/18</b> <b>Actual</b>	<b>FY 2018/19</b> <b>Amended Budget</b>	<b>FY 2018/19</b> <b>Estimate</b>	<b>FY 2019/20</b> <b>Budget</b>
<b><u>SARA WASTEWATER SYSTEM CONSTRUCTION AND IMPROVEMENT FUND (80)</u></b>				
<b><u>Investment Earnings</u></b>				
Investment Earnings	\$ 81,206	\$ 25,000	\$ 146,162	\$ 150,000
<i>Subtotal - Investment Earnings</i>	<i>81,206</i>	<i>25,000</i>	<i>146,162</i>	<i>150,000</i>
<b><u>Intergovernmental Revenue</u></b>				
Intergovernmental Revenue	714,971	-	75,756	-
<i>Subtotal Intergovernmental Revenue</i>	<i>714,971</i>	<i>-</i>	<i>75,756</i>	<i>-</i>
<b><u>Charges for Services</u></b>				
Impact Fees				
Connection Fees	4,143,925	2,645,000	2,045,950	2,645,000
<i>Subtotal - Charges for Services</i>	<i>4,143,925</i>	<i>2,645,000</i>	<i>2,045,950</i>	<i>2,645,000</i>
<b><u>Debt Proceeds</u></b>				
Debt Proceeds	9,500,000	-	-	-
<i>Subtotal - Debt Proceeds</i>	<i>9,500,000</i>	<i>-</i>	<i>-</i>	<i>-</i>
<b><u>Transfers / Other</u></b>				
Transfers	2,300,000	3,250,000	3,250,000	2,900,000
Sale of Fixed Assets / Other	2,946,484	-	162,500	-
<i>Subtotal - Transfers / Other</i>	<i>5,246,484</i>	<i>3,250,000</i>	<i>3,412,500</i>	<i>2,900,000</i>
<b><u>Miscellaneous</u></b>				
Miscellaneous	250,000	-	39,133	-
<i>Subtotal - Miscellaneous</i>	<i>250,000</i>	<i>-</i>	<i>39,133</i>	<i>-</i>
<b>TOTAL SARA WW SYSTEM C&amp;I FUND \$ 19,936,586 \$ 5,920,000 \$ 5,719,501 \$ 5,695,000</b>				
<b><u>SALITRILLO CONSTRUCTION AND IMPROVEMENTS FUND (81)</u></b>				
<b><u>Investment Earnings</u></b>				
Investment Earnings	\$ 70,213	\$ 15,000	\$ 58,657	\$ 75,000
<i>Subtotal - Investment Earnings</i>	<i>70,213</i>	<i>15,000</i>	<i>58,657</i>	<i>75,000</i>
<b><u>Charges for Services</u></b>				
Impact Fees				
Connection Fees	314,550	322,500	626,260	322,500
<i>Subtotal - Charges for Services</i>	<i>314,550</i>	<i>322,500</i>	<i>626,260</i>	<i>322,500</i>
<b><u>Debt Proceeds</u></b>				
Debt Proceeds	-	-	-	25,000,000
<i>Subtotal - Debt Proceeds</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>25,000,000</i>
<b><u>Transfers</u></b>				
Transfers	-	1,700,000	1,700,000	2,500,000
<i>Subtotal - Transfers</i>	<i>-</i>	<i>1,700,000</i>	<i>1,700,000</i>	<i>2,500,000</i>
<b>TOTAL SALITRILLO C&amp;I FUND \$ 384,763 \$ 2,037,500 \$ 2,384,917 \$ 27,897,500</b>				

<b>Revenues</b> <b>Fiscal Year Ending June 30, 2020</b>	<b>FY 2017/18</b> <b>Actual</b>	<b>FY 2018/19</b> <b>Amended Budget</b>	<b>FY 2018/19</b> <b>Estimate</b>	<b>FY 2019/20</b> <b>Budget</b>
<b><i>RANDOLPH AFB RENEWALS AND REPLACEMENT FUND (83)</i></b>				
<b><u>Investment Earnings</u></b>				
Investment Earnings	\$ 12,985	\$ 8,000	\$ 14,403	\$ 15,000
<i>Subtotal - Investment Earnings</i>	<i>12,985</i>	<i>8,000</i>	<i>14,403</i>	<i>15,000</i>
<b><u>Intergovernmental Revenue</u></b>				
Intergovernmental Revenue	362,379	860,645	324,228	1,505,613
<i>Subtotal - Intergovernmental Revenue</i>	<i>362,379</i>	<i>860,645</i>	<i>324,228</i>	<i>1,505,613</i>
<b>TOTAL RANDOLPH AFB R&amp;R FUND</b>	<b>\$ 375,364</b>	<b>\$ 868,645</b>	<b>\$ 338,631</b>	<b>\$ 1,520,613</b>
<b><i>INSURANCE FUND (90)</i></b>				
<b><u>Investment Earnings</u></b>				
Investment Earnings	\$ 29,403	\$ 12,000	\$ 25,970	\$ 18,000
<i>Subtotal - Investment Earnings</i>	<i>29,403</i>	<i>12,000</i>	<i>25,970</i>	<i>18,000</i>
<b><u>Miscellaneous</u></b>				
Health Premiums	3,121,202	3,800,354	2,732,699	3,103,613
Dental Premiums	135,091	178,000	154,406	-
Vision Premiums	62,635	180,000	121,007	-
Fitness Membership-Wellness	1,511	2,000	20,169	20,000
<i>Subtotal - Miscellaneous</i>	<i>3,320,439</i>	<i>4,160,354</i>	<i>3,028,281</i>	<i>3,123,613</i>
<b>TOTAL INSURANCE FUND</b>	<b>\$ 3,349,842</b>	<b>\$ 4,172,354</b>	<b>\$ 3,054,251</b>	<b>\$ 3,141,613</b>
<b>TOTAL AVAILABLE REVENUES</b>	<b>\$ 145,291,617</b>	<b>\$ 228,963,779</b>	<b>\$ 119,298,215</b>	<b>\$ 196,299,865</b>

# ALL FUNDS BUDGET SUMMARY



*Saspamco Paddling Trail, Wilson County*



SAN ANTONIO  

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RIVER AUTHORITY

<b>All Funds Summary</b> Fiscal Year Ending June 30, 2020
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	FY 2019/20	FY 2019/20
Available Funds	All Funds	General Fund
<b>Beginning Balance</b>		
Operating Reserve	\$ 11,116,649	\$ 11,116,603
Unrestricted Balance	12,385,271	-
Reserve for Projects	27,673,806	-
Impact/Connection Fee Reserves	7,832,154	-
Reserve for Debt Service	1,894,273	-
<i>Total Beginning Balance</i>	<i>\$ 60,902,153</i>	<i>\$ 11,116,603</i>
<b>Revenue</b>		
Taxes, Penalties and Interest	\$ 33,361,485	\$ 33,361,485
Intergovernmental	101,468,799	\$ 325,000
Charges for Services	19,109,970	\$ 515,000
Miscellaneous	160,000	\$ 15,000
Investment Earnings	770,000	\$ 350,000
Reimbursements	-	\$ -
Proceeds from Debt Issuance	25,000,000	-
Impact/Connection Fees	2,967,500	-
Transfers - Support Fees	1,939,976	\$ 1,939,977
Transfers	11,522,134	-
<i>Total Revenue</i>	<i>\$ 196,299,864</i>	<i>\$ 36,506,462</i>
<b>TOTAL AVAILABLE FUNDS</b>	<b>\$ 257,202,018</b>	<b>\$ 47,623,065</b>
<b>APPROPRIATIONS</b>		
Personnel Expenditures	\$ 24,026,352	\$ 19,934,648
Operating Expenditures	35,230,516	13,250,386
Capital Outlay	1,905,997	895,302
Capital Improvement Projects	138,305,876	-
Debt Service	6,434,911	592,974
Transfers	12,869,137	5,529,160
Reimbursements	(1,802,495)	(1,152,495)
<b>TOTAL EXPENDITURES</b>	<b>\$ 216,970,294</b>	<b>\$ 39,049,975</b>
Operating Reserve	8,925,727	8,573,091
Unrestricted Balance	7,936,298	-
Reserve for Debt Service	4,034,088	-
Reserve for Projects	15,124,998	-
Restricted Reserve	-	-
Impact/Connection Fee Reserve(s)	3,294,613	-
Repair and Replacement Reserve	916,000	-
<b>TOTAL APPROPRIATIONS</b>	<b>\$ 257,202,017</b>	<b>\$ 47,623,065</b>

All Funds Summary Fiscal Year Ending June 30, 2020	Utility Operating Funds			Special Revenue Funds
Available Funds	FY 2019/20 SARA Wastewater	FY 2019/20 Salitrillo Wastewater	FY 2019/20 Randolph Air Force Base	FY 2019/20 SACIP Land Sales
<b>Beginning Balance</b>				
Operating Reserve	\$ -	\$ -	\$ -	\$ -
Unrestricted Balance	4,310,951	1,499,696	317,836	136,302
Reserve for Projects	-	-	-	3,451
Impact/Connection Fee Reserves	-	-	-	-
Reserve for Debt Service	-	-	-	-
<i>Total Beginning Balance</i>	<i>\$ 4,310,951</i>	<i>\$ 1,499,696</i>	<i>\$ 317,836</i>	<i>\$ 139,753</i>
<b>Revenue</b>				
Taxes, Penalties and Interest	\$ -	\$ -	\$ -	\$ -
Intergovernmental	510,450	566,552	360,900	-
Charges for Services	9,927,760	5,271,116	-	59,995
Miscellaneous	125,000	-	-	-
Investment Earnings	70,000	15,000	-	3,000
Reimbursements	-	-	-	-
Proceeds from Debt Issuance	-	-	-	-
Impact/Connection Fees	-	-	-	-
Transfers - Support Fees	-	-	-	-
Transfers	-	-	-	-
<i>Total Revenue</i>	<i>\$ 10,633,210</i>	<i>\$ 5,852,668</i>	<i>\$ 360,900</i>	<i>\$ 62,995</i>
<b>TOTAL AVAILABLE FUNDS</b>	<b>\$ 14,944,161</b>	<b>\$ 7,352,364</b>	<b>\$ 678,736</b>	<b>\$ 202,748</b>
<b>APPROPRIATIONS</b>				
Personnel Expenditures	\$ 2,835,647	\$ 1,256,057	\$ -	\$ -
Operating Expenditures	2,252,675	962,501	326,100	3,451
Capital Outlay	651,175	359,520	-	-
Capital Improvement Projects	-	-	-	73,085
Debt Service	1,669,096	460,644	-	-
Transfers	4,225,623	3,114,354	-	-
Reimbursements	(650,000)	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>\$ 10,984,215</b>	<b>\$ 6,153,077</b>	<b>\$ 326,100</b>	<b>\$ 76,536</b>
Operating Reserve	-	-	352,636	-
Unrestricted Balance	1,547,129	556,288	-	126,212
Reserve for Debt Service	1,912,815	227,000	-	-
Reserve for Projects	-	-	-	-
Restricted Reserve	-	-	-	-
Impact/Connection Fee Reserve(s)	-	-	-	-
Repair and Replacement Reserve	500,000	416,000	-	-
<b>TOTAL APPROPRIATIONS</b>	<b>\$ 14,944,159</b>	<b>\$ 7,352,365</b>	<b>\$ 678,736</b>	<b>\$ 202,748</b>

All Funds Summary  
Fiscal Year Ending June 30, 2020

Special Revenue Funds

	FY 2019/20	FY 2019/20	FY 2019/20	FY 2019/20
Available Funds	Public Facilities Corp	Industrial Dev Authority	Park Resources Development	Water Planning Group
<b>Beginning Balance</b>				
Operating Reserve	\$ -	\$ -	\$ -	\$ 46
Unrestricted Balance	17,070	10,560	207,778	-
Reserve for Projects	-	-	-	-
Impact/Connection Fee Reserves	-	-	-	-
Reserve for Debt Service	-	-	-	-
<i>Total Beginning Balance</i>	<i>\$ 17,070</i>	<i>\$ 10,560</i>	<i>\$ 207,778</i>	<i>\$ 46</i>
<b>Revenue</b>				
Taxes, Penalties and Interest	\$ -	\$ -	\$ -	\$ -
Intergovernmental	-	-	-	570,294
Charges for Services	181,386	-	50,000	-
Miscellaneous	-	-	-	-
Investment Earnings	-	150	3,000	800
Reimbursements	-	-	-	-
Proceeds from Debt Issuance	-	-	-	-
Impact/Connection Fees	-	-	-	-
Transfers - Support Fees	-	-	-	-
Transfers	-	-	-	-
<i>Total Revenue</i>	<i>\$ 181,386</i>	<i>\$ 150</i>	<i>\$ 53,000</i>	<i>\$ 571,094</i>
<b>TOTAL AVAILABLE FUNDS</b>	<b>\$ 198,456</b>	<b>\$ 10,710</b>	<b>\$ 260,778</b>	<b>\$ 571,140</b>
<b>APPROPRIATIONS</b>				
Personnel Expenditures	\$ -	\$ -	\$ -	\$ -
Operating Expenditures	12,277	6,000	-	571,140
Capital Outlay	-	-	-	-
Capital Improvement Projects	-	-	87,660	-
Debt Service	181,386	-	-	-
Transfers	-	-	-	-
Reimbursements	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>\$ 193,663</b>	<b>\$ 6,000</b>	<b>\$ 87,660</b>	<b>\$ 571,140</b>
Operating Reserve	-	-	-	-
Unrestricted Balance	4,793	4,710	173,118	-
Reserve for Debt Service	-	-	-	-
Reserve for Projects	-	-	-	-
Restricted Reserve	-	-	-	-
Impact/Connection Fee Reserve(s)	-	-	-	-
Repair and Replacement Reserve	-	-	-	-
<b>TOTAL APPROPRIATIONS</b>	<b>\$ 198,456</b>	<b>\$ 10,710</b>	<b>\$ 260,778</b>	<b>\$ 571,140</b>



All Funds Summary Fiscal Year Ending June 30, 2020	Special Revenue Funds			Debt Service Fund
Available Funds	FY 2019/20 Edward Aquifer/RWRDG	FY 2019/20 Regional Water Alliance	FY 2019/20 Grants	FY 2019/20 Debt Service
<b>Beginning Balance</b>				
Operating Reserve	\$ -	\$ -	\$ -	\$ -
Unrestricted Balance	111,445	24,463	44,848	9,255
Reserve for Projects	-	-	-	-
Impact/Connection Fee Reserves	-	-	-	-
Reserve for Debt Service	-	-	-	1,894,273
<i>Total Beginning Balance</i>	<i>\$ 111,445</i>	<i>\$ 24,463</i>	<i>\$ 44,848</i>	<i>\$ 1,903,526</i>
<b>Revenue</b>				
Taxes, Penalties and Interest	\$ -	\$ -	\$ -	\$ -
Intergovernmental	275,500	4,400	5,839,718	2,937,838
Charges for Services	1,100	-	-	-
Miscellaneous	-	-	-	-
Investment Earnings	-	50	-	15,000
Reimbursements	-	-	-	-
Proceeds from Debt Issuance	-	-	-	-
Impact/Connection Fees	-	-	-	-
Transfers - Support Fees	-	-	-	-
Transfers	-	-	-	592,974
<i>Total Revenue</i>	<i>\$ 276,600</i>	<i>\$ 4,450</i>	<i>\$ 5,839,718</i>	<i>\$ 3,545,811</i>
<b>TOTAL AVAILABLE FUNDS</b>	<b>\$ 388,045</b>	<b>\$ 28,913</b>	<b>\$ 5,884,566</b>	<b>\$ 5,449,339</b>
<b>APPROPRIATIONS</b>				
Personnel Expenditures	\$ -	\$ -	\$ -	\$ -
Operating Expenditures	388,045	3,000	2,884,566	20,000
Capital Outlay	-	-	-	-
Capital Improvement Projects	-	-	3,000,000	-
Debt Service	-	-	-	3,530,811
Transfers	-	-	-	-
Reimbursements	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>\$ 388,045</b>	<b>\$ 3,000</b>	<b>\$ 5,884,566</b>	<b>\$ 3,550,811</b>
Operating Reserve	-	-	-	-
Unrestricted Balance	-	25,913	-	4,255
Reserve for Debt Service	-	-	-	1,894,273
Reserve for Projects	-	-	-	-
Restricted Reserve	-	-	-	-
Impact/Connection Fee Reserve(s)	-	-	-	-
Repair and Replacement Reserve	-	-	-	-
<b>TOTAL APPROPRIATIONS</b>	<b>\$ 388,045</b>	<b>\$ 28,913</b>	<b>\$ 5,884,566</b>	<b>\$ 5,449,339</b>

All Funds Summary Fiscal Year Ending June 30, 2020	Insurance Fund	Capital Improvement Funds		
Available Funds	FY 2019/20 Insurance	FY 2019/20 SARA Project	FY 2019/20 City of San Antonio CIP	FY 2019/20 Bexar County CIP
<b>Beginning Balance</b>				
Operating Reserve	\$ -	\$ -	\$ -	\$ -
Unrestricted Balance	1,663,074	3,512,377	237,574	-
Reserve for Projects	-	10,588,738	-	-
Impact/Connection Fee Reserves	-	-	-	-
Reserve for Debt Service	-	-	-	-
<i>Total Beginning Balance</i>	<i>\$ 1,663,074</i>	<i>\$ 14,101,115</i>	<i>\$ 237,574</i>	<i>\$ -</i>
<b>Revenue</b>				
Taxes, Penalties and Interest	\$ -	\$ -	\$ -	\$ -
Intergovernmental	-	-	4,840,346	202,181
Charges for Services	3,103,613	-	-	-
Miscellaneous	20,000	-	-	-
Investment Earnings	18,000	-	-	-
Reimbursements	-	-	-	-
Proceeds from Debt Issuance	-	-	-	-
Impact/Connection Fees	-	-	-	-
Transfers - Support Fees	-	-	-	-
Transfers	-	5,529,160	-	-
<i>Total Revenue</i>	<i>\$ 3,141,613</i>	<i>\$ 5,529,160</i>	<i>\$ 4,840,346</i>	<i>\$ 202,181</i>
<b>TOTAL AVAILABLE FUNDS</b>	<b>\$ 4,804,687</b>	<b>\$ 19,630,275</b>	<b>\$ 5,077,920</b>	<b>\$ 202,181</b>
<b>APPROPRIATIONS</b>				
Personnel Expenditures	\$ -	\$ -	\$ -	\$ -
Operating Expenditures	3,103,544	9,286,832	-	-
Capital Outlay	-	-	-	-
Capital Improvement Projects	-	6,550,707	5,077,920	202,181
Debt Service	-	-	-	-
Transfers	-	-	-	-
Reimbursements	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>\$ 3,103,544</b>	<b>\$ 15,837,538</b>	<b>\$ 5,077,920</b>	<b>\$ 202,181</b>
Operating Reserve	-	-	-	-
Unrestricted Balance	1,701,144	3,792,737	-	-
Reserve for Debt Service	-	-	-	-
Reserve for Projects	-	-	-	-
Restricted Reserve	-	-	-	-
Impact/Connection Fee Reserve(s)	-	-	-	-
Repair and Replacement Reserve	-	-	-	-
<b>TOTAL APPROPRIATIONS</b>	<b>\$ 4,804,687</b>	<b>\$ 19,630,275</b>	<b>\$ 5,077,920</b>	<b>\$ 202,181</b>

All Funds Summary  
Fiscal Year Ending June 30, 2020

Capital Improvement Funds

	FY 2019/20	FY 2019/20	FY 2019/20	FY 2019/20
Available Funds	Medina Dam	Bexar County SARIP Flood Tax	City of San Antonio CIP 1999	Bexar County Westside Creek
<b>Beginning Balance</b>				
Operating Reserve	\$ -	\$ -	\$ -	\$ -
Unrestricted Balance	-	140,331	32,342	109,370
Reserve for Projects	-	-	-	-
Impact/Connection Fee Reserves	-	-	-	-
Reserve for Debt Service	-	-	-	-
<i>Total Beginning Balance</i>	\$ -	\$ 140,331	\$ 32,342	\$ 109,370
<b>Revenue</b>				
Taxes, Penalties and Interest	\$ -	\$ -	\$ -	\$ -
Intergovernmental	160,000	699,825	-	50,328,394
Charges for Services	-	-	-	-
Miscellaneous	-	-	-	-
Investment Earnings	-	20,000	-	30,000
Reimbursements	-	-	-	-
Proceeds from Debt Issuance	-	-	-	-
Impact/Connection Fees	-	-	-	-
Transfers - Support Fees	-	-	-	-
Transfers	-	-	-	-
<i>Total Revenue</i>	\$ 160,000	\$ 719,825	\$ -	\$ 50,358,394
<b>TOTAL AVAILABLE FUNDS</b>	\$ 160,000	\$ 860,156	\$ 32,342	\$ 50,467,764
<b>APPROPRIATIONS</b>				
Personnel Expenditures	\$ -	\$ -	\$ -	\$ -
Operating Expenditures	160,000	-	-	-
Capital Outlay	-	-	-	-
Capital Improvement Projects	-	860,156	27,817	50,467,764
Debt Service	-	-	-	-
Transfers	-	-	-	-
Reimbursements	-	-	-	-
<b>TOTAL EXPENDITURES</b>	\$ 160,000	\$ 860,156	\$ 27,817	\$ 50,467,764
Operating Reserve	-	-	-	-
Unrestricted Balance	-	-	-	-
Reserve for Debt Service	-	-	-	-
Reserve for Projects	-	-	4,525	-
Restricted Reserve	-	-	-	-
Impact/Connection Fee Reserve(s)	-	-	-	-
Repair and Replacement Reserve	-	-	-	-
<b>TOTAL APPROPRIATIONS</b>	\$ 160,000	\$ 860,156	\$ 32,342	\$ 50,467,764

All Funds Summary  
Fiscal Year Ending June 30, 2020

Capital Improvement Funds

	FY 2019/20	FY 2019/20	FY 2019/20	FY 2019/20
Available Funds	Downstream CIP	Bexar County Capital Projects	City of San Antonio Westside Creeks	Other Capital Projects Fund
<b>Beginning Balance</b>				
Operating Reserve	\$ -	\$ -	\$ -	\$ -
Unrestricted Balance	-	-	-	-
Reserve for Projects	1,843,034	22,194	133,163	302,940
Impact/Connection Fee Reserves	-	-	-	-
Reserve for Debt Service	-	-	-	-
<i>Total Beginning Balance</i>	<i>\$ 1,843,034</i>	<i>\$ 22,194</i>	<i>\$ 133,163</i>	<i>\$ 302,940</i>
<b>Revenue</b>				
Taxes, Penalties and Interest	\$ -	\$ -	\$ -	\$ -
Intergovernmental	415,000	-	28,233,234	3,693,554
Charges for Services	-	-	-	-
Miscellaneous	-	-	-	-
Investment Earnings	5,000	-	-	-
Reimbursements	-	-	-	-
Proceeds from Debt Issuance	-	-	-	-
Impact/Connection Fees	-	-	-	-
Transfers - Support Fees	-	-	-	-
Transfers	-	-	-	-
<i>Total Revenue</i>	<i>\$ 420,000</i>	<i>\$ -</i>	<i>\$ 28,233,234</i>	<i>\$ 3,693,554</i>
<b>TOTAL AVAILABLE FUNDS</b>	<b>\$ 2,263,034</b>	<b>\$ 22,194</b>	<b>\$ 28,366,397</b>	<b>\$ 3,996,494</b>
<b>APPROPRIATIONS</b>				
Personnel Expenditures	\$ -	\$ -	\$ -	\$ -
Operating Expenditures	-	-	-	-
Capital Outlay	-	-	-	-
Capital Improvement Projects	2,263,034	-	28,366,397	3,996,494
Debt Service	-	-	-	-
Transfers	-	-	-	-
Reimbursements	-	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>\$ 2,263,034</b>	<b>\$ -</b>	<b>\$ 28,366,397</b>	<b>\$ 3,996,494</b>
Operating Reserve	-	-	-	-
Unrestricted Balance	-	-	-	-
Reserve for Debt Service	-	-	-	-
Reserve for Projects	-	22,194	-	-
Restricted Reserve	-	-	-	-
Impact/Connection Fee Reserve(s)	-	-	-	-
Repair and Replacement Reserve	-	-	-	-
<b>TOTAL APPROPRIATIONS</b>	<b>\$ 2,263,034</b>	<b>\$ 22,194</b>	<b>\$ 28,366,397</b>	<b>\$ 3,996,494</b>

All Funds Summary  
Fiscal Year Ending June 30, 2020

Capital Improvement Funds

Available Funds	FY 2019/20	FY 2019/20	FY 2019/20
	SARA Wastewater Construction	Salitrillo Construction	Randolph Renewal and Replacement
<b>Beginning Balance</b>			
Operating Reserve	\$ -	\$ -	\$ -
Unrestricted Balance	-	-	-
Reserve for Projects	11,232,127	2,296,433	1,251,726
Impact/Connection Fee Reserves	2,707,772	5,124,382	-
Reserve for Debt Service	-	-	-
<i>Total Beginning Balance</i>	<i>\$ 13,939,899</i>	<i>\$ 7,420,815</i>	<i>\$ 1,251,726</i>
<b>Revenue</b>			
Taxes, Penalties and Interest	\$ -	\$ -	\$ -
Intergovernmental	-	-	1,505,613
Charges for Services	-	-	-
Miscellaneous	-	-	-
Investment Earnings	150,000	75,000	15,000
Reimbursements	-	-	-
Proceeds from Debt Issuance	-	25,000,000	-
Impact/Connection Fees	2,645,000	322,500	-
Transfers - Support Fees	-	-	-
Transfers	2,900,000	2,500,000	-
<i>Total Revenue</i>	<i>\$ 5,695,000</i>	<i>\$ 27,897,500</i>	<i>\$ 1,520,613</i>
<b>TOTAL AVAILABLE FUNDS</b>	<b>\$ 19,634,899</b>	<b>\$ 35,318,315</b>	<b>\$ 2,772,339</b>
<b>APPROPRIATIONS</b>			
Personnel Expenditures	\$ -	\$ -	\$ -
Operating Expenditures	2,000,000	-	-
Capital Outlay	-	-	-
Capital Improvement Projects	4,597,462	31,030,107	1,705,092
Debt Service	-	-	-
Transfers	-	-	-
Reimbursements	-	-	-
<b>TOTAL EXPENDITURES</b>	<b>\$ 6,597,462</b>	<b>\$ 31,030,107</b>	<b>\$ 1,705,092</b>
Operating Reserve	-	-	-
Unrestricted Balance	-	-	-
Reserve for Debt Service	-	-	-
Reserve for Projects	11,192,433	2,838,598	1,067,247
Restricted Reserve	-	-	-
Impact/Connection Fee Reserve(s)	1,845,003	1,449,610	-
Repair and Replacement Reserve	-	-	-
<b>TOTAL APPROPRIATIONS</b>	<b>\$ 19,634,899</b>	<b>\$ 35,318,315</b>	<b>\$ 2,772,339</b>

# General Fund



**Photo by Denise Gomez Markowski  
2019 River Clicks Photo Contest  
Creeks and Rivers Category Winner**

**San Antonio River Authority  
General Fund  
Fiscal Year Ending June 30, 2020**

**Fund: 01**

<b>Available Funds</b>	<b>FY 2017/18 Actual</b>	<b>FY 2018/19 Amended Budget</b>	<b>FY 2018/19 Estimate</b>	<b>FY 2019/20 Budget</b>
<b>Beginning Balance</b>				
Operating Reserve	\$ 10,301,213	\$ 10,175,883	\$ 11,098,568	\$ 11,116,603
Total Beginning Balance	\$ 10,301,213	\$ 10,175,883	\$ 11,098,568	\$ 11,116,603
<b>Revenue</b>				
Taxes, Penalties and Interest	\$ 27,323,379	\$ 31,701,532	\$ 31,461,345	\$ 33,361,485
Intergovernmental Revenue	537,491	557,690	434,913	325,000
Charges for Services	605,101	561,969	546,409	515,000
Miscellaneous	126,060	121,000	43,069	15,000
Support Fees	2,301,162	1,996,561	1,996,561	1,939,977
Investment Income	286,576	225,000	386,935	350,000
Reimbursements	-	-	-	-
Operating Transfers	78,131	-	-	-
Total Revenue	\$ 31,257,900	\$ 35,163,752	\$ 34,869,232	\$ 36,506,462
<b>TOTAL AVAILABLE FUNDS</b>	<b>\$ 41,559,113</b>	<b>\$ 45,339,635</b>	<b>\$ 45,967,801</b>	<b>\$ 47,623,065</b>
<b>APPROPRIATIONS</b>				
Personnel Expenditures	\$ 17,383,456	\$ 19,277,912	\$ 18,485,355	\$ 19,934,648
Operating Expenditures	9,919,358	13,007,253	11,067,935	13,250,386
Capital Expenditures	1,051,003	1,023,521	862,467	895,302
Transfers	-	-	-	-
Insurance, Debt Service and Grants	596,184	599,557	599,557	592,974
Project Fund - Projects	3,145,832	4,953,705	4,955,883	5,249,160
Project Fund - Unrestricted Reserve	-	-	-	280,000
Reimbursements	(1,635,288)	(1,120,000)	(1,120,000)	(1,152,495)
<b>TOTAL OPERATING APPROPRIATIONS</b>	<b>\$ 30,460,545</b>	<b>\$ 37,741,948</b>	<b>\$ 34,851,198</b>	<b>\$ 39,049,975</b>
Operating Reserve	\$ 11,098,568	\$ 7,597,687	\$ 11,116,603	\$ 8,573,091
<b>TOTAL APPROPRIATIONS</b>	<b>\$ 41,559,113</b>	<b>\$ 45,339,635</b>	<b>\$ 45,967,801</b>	<b>\$ 47,623,065</b>

San Antonio River Authority  
 General Fund  
 Fiscal Year Ending June 30, 2020

Fund: 01

Function/Department	FY 2017/18 Actual	FY 2018/19 Amended Budget	FY 2018/19 Estimate	FY 2019/20 Budget
<b><i>General Government</i></b>				
Board of Directors	\$ 469,458	\$ 373,915	\$ 222,273	\$ 502,715
Organizational Support	3,870,377	4,247,225	4,111,621	4,862,304
Facilities	1,498,703	1,888,273	1,387,205	1,949,372
Finance	1,332,025	1,798,957	1,582,492	1,844,127
Human Resources	464,797	494,501	475,052	553,068
Information Technology	2,789,236	3,808,766	3,327,436	3,824,022
Intergovernmental and Community Relations	2,328,488	2,793,220	2,162,973	2,748,307
<b><i>Total General Government</i></b>	<b>\$ 12,753,084</b>	<b>\$ 15,404,857</b>	<b>\$ 13,269,053</b>	<b>\$ 16,283,916</b>
<b><i>Program Support and Services</i></b>				
Environmental Sciences	\$ 3,749,836	\$ 4,356,023	\$ 4,080,165	\$ 4,327,498
Real Estate	515,808	616,307	550,694	629,804
Watershed Engineering	4,028,793	4,315,255	4,278,680	4,264,105
Watershed and Park Operations	7,306,296	8,616,244	8,237,166	8,575,015
<b><i>Total Program Support and Services</i></b>	<b>\$ 15,600,733</b>	<b>\$ 17,903,829</b>	<b>\$ 17,146,705</b>	<b>\$ 17,796,421</b>
<b><i>Operating Transfers</i></b>	<b>\$ 3,742,016</b>	<b>\$ 5,553,262</b>	<b>\$ 5,555,440</b>	<b>\$ 6,122,134</b>
<b><i>Reimbursements</i></b>	<b>(1,635,288)</b>	<b>(1,120,000)</b>	<b>(1,120,000)</b>	<b>(1,152,495)</b>
<b>TOTAL GENERAL FUND</b>	<b>\$ 30,460,545</b>	<b>\$ 37,741,948</b>	<b>\$ 34,851,197</b>	<b>\$ 39,049,975</b>



# Operating Reserve

Beginning with FY 2015/16, the General Fund has one fund balance shown – Operating Reserve. This reserve, by policy, targets three months of operating expenditures which includes personnel, supplies, contracted services and debt service expenditures. It does not include project related or capital expenditures or transfers.

The fund balance policy also includes an Unrestricted Reserve in the San Antonio River Authority Projects Fund (shown in the Capital Funds section of this document) that accounts for project related costs where the funding comes from the General Fund.

The FY 2019/20 Budget includes an Operating Reserve of \$8,573,091 which meets the target requirement of at least three months of recurring operating expenditures. When combined with the Unrestricted Reserve established in the San Antonio River Authority Project Fund, the available fund balance reserves total \$12,365,828.

<i><b>Appropriations:</b></i>	<u><b>FY 2017/18</b></u> <u><b>Actual</b></u>	<u><b>FY 2018/19</b></u> <u><b>Estimate</b></u>	<u><b>FY 2019/20</b></u> <u><b>Budget</b></u>
Operating Reserve	\$11,098,568	\$11,116,603	\$8,573,091
<i><b>Total Appropriations</b></i>	<i><b>\$11,098,568</b></i>	<i><b>\$11,116,603</b></i>	<i><b>\$8,573,091</b></i>

# Board of Directors

**Vision:** Inspiring actions for healthy creeks and rivers

**Mission:** Committed to Safe, Clean, Enjoyable Creeks and Rivers

## Department Description

The governance and control of the San Antonio River Authority are vested in a twelve-member Board of Directors, six from Bexar County and two each from Wilson, Karnes and Goliad counties. Two of the Bexar County directors are elected at large and the other four each represent a portion of the county. Members are elected on a non-partisan basis to serve for six-year terms. The terms of office for individual members are staggered to provide continuity. The Board of Directors, as the governing body for the River Authority, provides policy and fiduciary direction for the organization. The Board supervises the actions of the General Manager to ensure that the statutory requirements of the organization are met and the mission, goals and objectives are effectively achieved for the citizens of the basin. The Board has established four committees that meet regularly to consider the budgetary and service-related business of the organization.

The Board provides direction on the River Authority's legislative agenda, strategic plan, and business opportunities. The Board also reviews and approves the annual budget, annual financial statement and monitors revenues and expenditures throughout the year. In addition, the Board monitors performance results on many key initiatives of the River Authority. As elected officials, the directors participate in numerous community activities and meetings throughout the basin as well as attending training and conferences to remain informed on federal, state and regional activities with impact on the River Authority's mission and service area responsibilities.

<i>Appropriations:</i>	<u>FY 2017/18</u> <u>Actual</u>	<u>FY 2018/19</u> <u>Estimate</u>	<u>FY 2019/20</u> <u>Budget</u>
Personnel Expenditures	\$58,679	\$60,161	\$81,515
Operating Expenditures	\$410,779	\$162,112	\$421,200
<i>Total Appropriations</i>	<i>\$469,458</i>	<i>\$222,273</i>	<i>\$502,715</i>

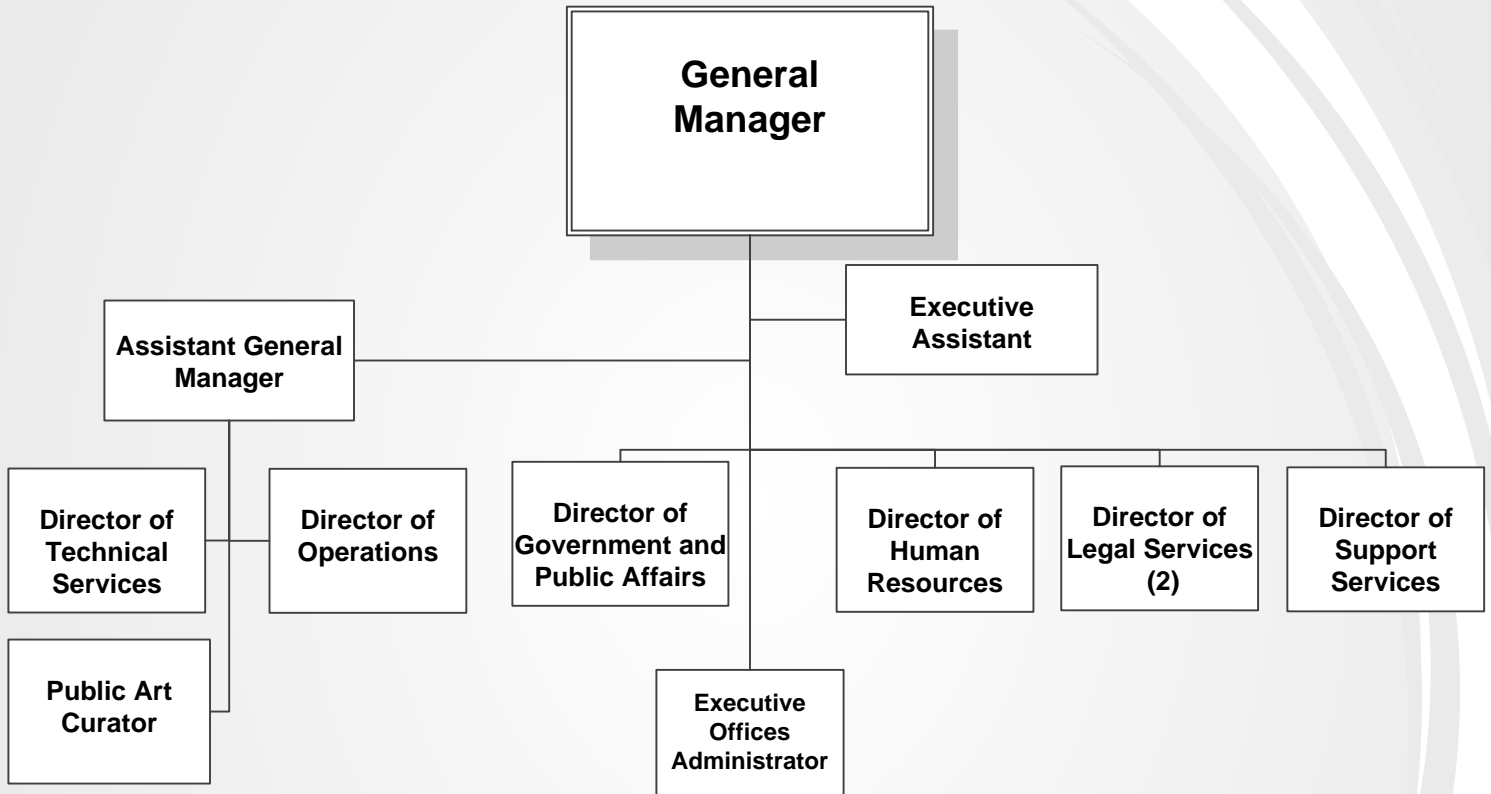
## Fiscal Analysis

The Board of Directors FY 2019/20 budget shows an increase in comparison to the FY 2018/19 estimate. Five Board of Director seats will be up for re-elections in 2020, which is reflected in additional funding for election expenses.



SAN ANTONIO  
RIVER AUTHORITY

# Executive Office



# Organizational Support

**Vision:** Inspiring actions for healthy creeks and rivers

**Mission:** Committed to Safe, Clean, Enjoyable Creeks and Rivers

## Department Description

The Organizational Support budget includes personnel costs for the executive and support staff to the General Manager as well as costs impacting the organization as a whole such as, but not limited to, general insurance, appraisal district services, legislative services. The executive team includes the General Manager, Assistant General Manager and the Directors of Operations, Technical Services, Support Services, Legal Services, External Communications and Human Resources.

The General Manager is the chief executive officer of the San Antonio River Authority. The duties and authority of the General Manager are prescribed in Section 14 of Chapter 276, page 556, Acts of the 45th Legislature, as amended, and in Article II of the Bylaws of the River Authority. The General Manager is responsible to the Board of Directors for the administration of the affairs and business of the River Authority. In addition to total management responsibility, the General Manager is directly responsible for the following:

- Recommendation of and adherence to policy direction of the Board of Directors.
- Execution of policies approved by the Board of Directors.
- Financial management and control, including submission of the annual financial audits.
- Submittal of annual budget to the Board of Directors.
- Employment of professional consultants.
- General forecasting, planning, coordination and control of all of the River Authority’s goals, projects and programs in support of the direction of the Board.
- Employment of staff.

<b><i>Appropriations:</i></b>	<b><u>FY 2017/18</u></b>	<b><u>FY 2018/19</u></b>	<b><u>FY 2019/20</u></b>
	<b><u>Actual</u></b>	<b><u>Estimate</u></b>	<b><u>Budget</u></b>
Personnel Expenditures	\$2,423,713	\$2,542,704	\$2,436,433
Operating Expenditures	1,446,664	1,528,917	2,055,871
Capital Expenditures	-	40,000	370,000
<b><i>Total Appropriations</i></b>	<b><i>\$3,870,377</i></b>	<b><i>\$4,111,621</i></b>	<b><i>\$4,862,304</i></b>

**Fiscal Analysis**

The Organizational Support FY 2019/20 budget reflects an increase in comparison to the FY 2018/19 estimate. Operating expenditures increased approximately \$500,000 as compared to FY 2018/19 estimate. The bulk of the increase in operating expenditures can be attributed to professional services. These expenditures include legal services, lobbyist services, and other consulting services. Additionally, capital expenditures see a large increase for the acquisition of property for future park use.

**New Resources for FY 2019/20**

Description	Business Justification/Benefit to SARA and/or Stakeholders	Amount
<b>Organization Support</b>		
Records Management	Training and Shred events	12,350
Straus Medina Property	Acquisition of approximately 85.2 acres for future park land use.	370,000
Department Promotions	Adjustments to personnel cost based on authorized promotion opportunities for existing staff	61,788
<b>Total - Organization Support</b>		<b>444,138</b>
	<b>Total - Organization Support - Personnel</b>	<b>61,788</b>
	<b>Total - Organization Support - Operations</b>	<b>12,350</b>
	<b>Total - Organization Support - Capital</b>	<b>370,000</b>

**Authorized Positions**

	Pay Grade	FY 2017/18 Actual	FY 2018/19 Estimate	FY 2019/20 Budget
General Manager	154	1	1	1
Assistant General Manager	148	1	1	1
Director of Government & Public Affairs	143	1	1	1
Director of Human Resources	143	1	1	1
Director of Legal Services	143	1	1	1
Director of Operations	143	1	1	1
Director of Support Services	143	1	1	1
Director of Technical Services	143	1	1	1
Public Art Curator	127	1	1	1
Executive Offices Administrator	122	1	1	1
Executive Assistant	115	2	1	1
Senior Agenda Management Coordinator	115	0	1	1
Document Control Coordinator	111	1	1	1
<b>Total Authorized Positions</b>		<b>13</b>	<b>13</b>	<b>13</b>



SAN ANTONIO  
RIVER AUTHORITY

# Facilities

**Director of  
Operations**

**Facilities  
Maintenance  
(7)**

# Facilities

**Vision:** Providing clean and safe facilities for all inspirers.

**Mission:** Committed to a managing and maintaining facilities that promote excellence.

## Department Description

The Facilities section strives to provide effective and efficient operations and maintenance for the River Authority’s infrastructure and fleet. Responsibilities include security management, facilities management, fleet management, custodial services, and other support functions furnished to River Authority staff. The department’s goal is to consistently provide a healthy, comfortable, and sustainable work environment for employees, and ensure facilities are properly maintained to protect the organization’s assets.

## Annual Objectives and Actions

- OBJECTIVE 4.1: Pursue implementation of the facilities improvement and expansion plan.
- ACTION: Upgrade HVAC systems in Guenther and Euclid based on results of contracted professional services evaluation.
  - ACTION: Develop recommendations and plans to address space for delivery of SARA services.
  - ACTION: Identify permanent solution for San Pedro Creek Operations Center.
  - ACTION: Develop facilities management program

<b><i>Appropriations:</i></b>	<b><u>FY 2017/18</u></b>	<b><u>FY 2018/19</u></b>	<b><u>FY 2019/20</u></b>
	<b><u>Actual</u></b>	<b><u>Estimate</u></b>	<b><u>Budget</u></b>
Personnel Expenditures	\$302,360	\$245,098	\$366,990
Operating Expenditures	773,529	1,027,752	1,329,566
Capital Expenditures	422,814	114,355	252,816
<b><i>Total Appropriations</i></b>	<b><i>\$1,498,703</i></b>	<b><i>\$1,387,205</i></b>	<b><i>\$1,949,372</i></b>

## Fiscal Analysis

The Facilities FY 2019/20 budget is based on an increased level of service in comparison to the FY 2018/19 estimate. Funding for the Facilities Administrator position, which was previously authorized but unfunded, is included in the adopted budget. This position will oversee improvements to the River Authority’s headquarters and a new facility anticipated to be acquired during the fiscal year. This property acquisition also results in increased operating expenditures of approximately \$60,000. Additionally, a carry forward of \$280,000 from the FY 2018/19 Amended Budget for capital equipment and electrical infrastructure upgrades is included. To help offset these increases the recurring operating budget decreased slightly. A detailed list of new resources

included in the FY 2019/20 Facilities Budget can be found below. All of these new resources are non-recurring expenditures.

**New Resources for FY 2019/20**

Description	Business Justification/Benefit to SARA and/or Stakeholders	Amount
<b>Facilities</b>		
Truck - WSE	Replacement of 2007 model (0703) with 103,896 miles.	35,000
Truck - WSE	Replacement of 2008 model (0812) with 125,265 miles.	35,000
Truck - ESD	Replacement of 2010 model (1006) with 116,068 miles.	35,000
Truck - WPO	Replacement of 2006 model (0622) with 138,000 miles.	35,000
Lonestar Gate	Upgrade the lonestar gate to add card reader access.	10,000
Euclid Facilities	The Euclid facility requires some updates, to include door to close off the area to the kitchen and other miscellaneous improvements such as wall patching, paint, and replacement of laboratory countertops.	20,000
<b>Total - Facilities</b>		<b>170,000</b>
<b>Total - Facilities - Personnel</b>		<b>-</b>
<b>Total - Facilities - Operations</b>		<b>30,000</b>
<b>Total - Facilities - Capital</b>		<b>140,000</b>

**Efforts**

**Electrical Improvements**

In FY 2018/19, staff is working with a consultant to create a utility survey of Museum Reach. Once the survey is complete phase two of the Technical Memorandum to Upgrade Electrical on Museum Reach will be complete. In FY 2019/20, staff will work on lighting the interpretive panels using the information gained from the report.

**Authorized Positions**

	Pay Grade	FY 2017/18 Actual	FY 2018/19 Estimate	FY 2019/20 Budget
Facilities Administrator	126	0	1	1
Facilities & Maintenance Superintendent	124	0.5	0	0
Facilities Crewleader	112	1	1	1
Facilities Maintenance Technician II	110	1	0	0
Facilities Maintenance Technician I	109	2	3	2
Custodian	103	2	2	3
<b>Total Authorized Positions</b>		<b>6.5</b>	<b>7</b>	<b>7</b>

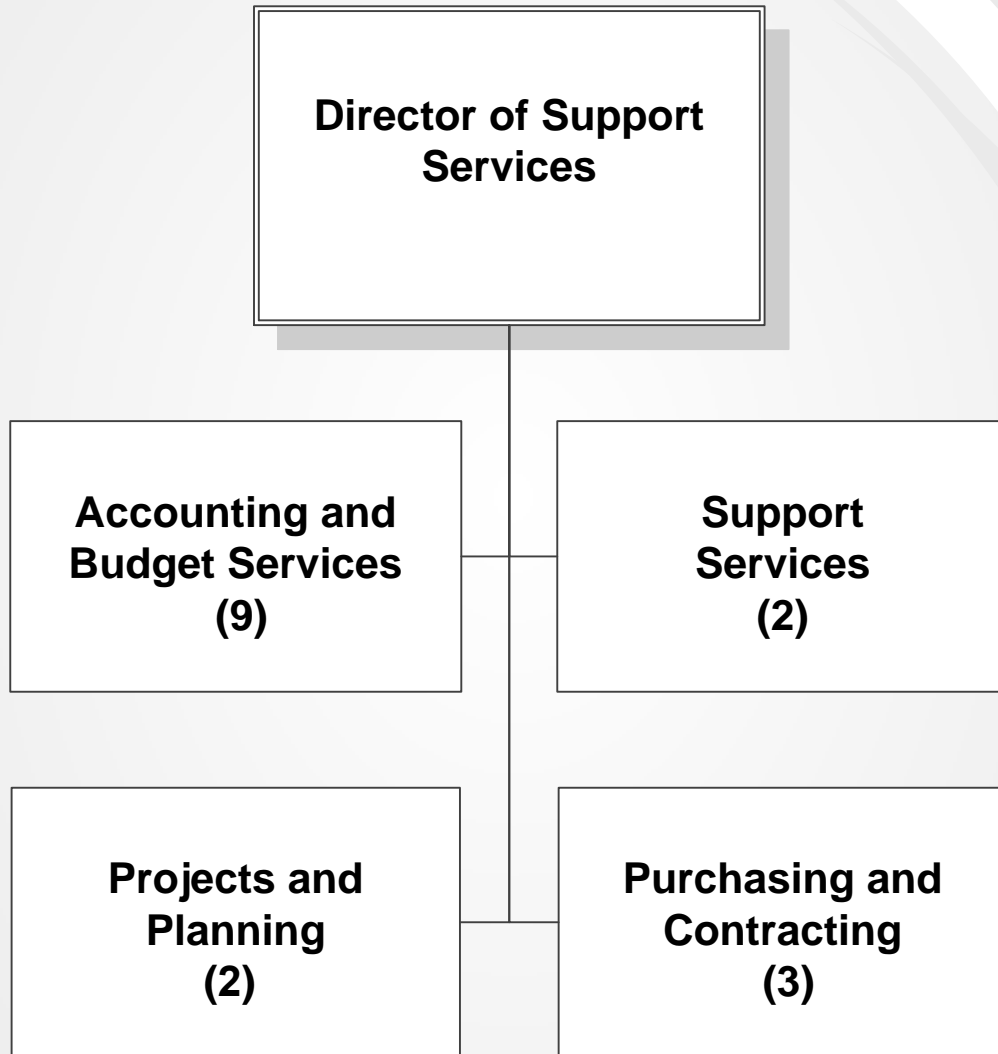
\* In FY 2017/18, the position cost of the Facilities and Maintenance Superintendent was split between Wastewater Operations (60 percent) and Facilities (40 percent).





SAN ANTONIO  
RIVER AUTHORITY

# Finance



# Finance

**Vision:** Provide support and expertise to make plans a reality

**Mission:** Collectively identify and implement innovative solutions that inspire action

## **Department Description**

The Finance Department seeks to provide high quality and accurate accounting, budgeting and purchasing services for all departments and divisions of the San Antonio River Authority. The Finance Department is an active team player that supports the entire organization with respect to accounts payable, accounts receivable/cash receipts, budgeting, contracting, purchasing, fixed asset management, debt issuances, financial reporting, and payroll processing. Department staff take part in and serve as the financial representative on the many new and on-going projects of the River Authority. Finance is also responsible for cash management, investing, internal controls and annual audits for all River Authority funds.

The Finance staff is responsible for developing and monitoring the annual operating and project budgets while assisting departments with fiscal planning, analysis and project management. Fiduciary responsibility is exercised daily to safeguard the River Authority's financial assets and manage its financial resources. Purchasing staff oversees all procurement processes for goods and services, vendor relationships and provides contract management services to obtain the highest quality products and services in the most efficient and cost effective manner possible to ensure best value.

## **Annual Objectives and Actions**

OBJECTIVE 4.4: Review and update business processes and practices that mitigate organization risk.

- ACTION: Finalize asset management software implementation and build business processes to improve management of physical resources.
- Develop Capital Improvement Plan (CIP) for SARA owned assets.

OBJECTIVE 5.2: Review and update business processes and practices that mitigate organization risk.

- ACTION: Determine the strategies and delivery methods for training new and existing employees on enterprise applications and systems.

OBJECTIVE 5.3: Implement organization wide processes that assist with human capital management.

- ACTION: Adopt common terms, roles, and standards for capacity planning.
- ACTION: Define capacity planning inputs and begin calculating capacity levels for Projects and Efforts within enterprise project management application.
- ACTION: Establish process for approval of reallocation of staff resources within Clarity for Projects and Efforts.

**Annual Objectives and Actions (continued)**

- ACTION: Develop and produce management reports that indicate capacity availability.
- ACTION: Identify processes for capturing resource planning and capacity information for efforts, operations and maintenance, and other departmental activities.

<b><i>Appropriations:</i></b>	<b><u>FY 2017/18</u></b>	<b><u>FY 2018/19</u></b>	<b><u>FY 2019/20</u></b>
	<b><u>Actual</u></b>	<b><u>Estimate</u></b>	<b><u>Budget</u></b>
Personnel Expenditures	\$1,111,319	\$1,167,212	\$1,367,544
Operating Expenditures	220,706	415,280	476,583
Capital Expenditures	-	-	-
<b><i>Total Appropriations</i></b>	<b><i>\$1,332,025</i></b>	<b><i>\$1,582,492</i></b>	<b><i>\$1,844,127</i></b>

**Fiscal Analysis**

The Finance FY 2019/20 budget is based on an increase of over \$200,000 in comparison with FY 2018/19. The bulk of this increase is seen in personnel costs. The Project Planning Specialist was changed to the Project and Planning Administrator in the Finance department. Additionally, the Watershed Engineering Administrator Position was converted to a Project and Planning Administrator, thus making two positions in Finance. Furthermore, the increase in personnel expenditures also includes a full year of performance pay that was awarded in September of 2018. Operations expenditures increase slightly compared to FY 2018/19. Professional services are increased in FY 2019/20 for the new audit team selected in FY 2018/19. Additionally, there is funding available for process enhancements in the financial and project management software currently in use.

**New Resources for FY 2019/20**

<b>Description</b>	<b>Business Justification/Benefit to SARA and/or Stakeholders</b>	<b>Amount</b>
<b>Finance</b>		
Strategic Objective under goal 4 / 5: training program	Develop SARA training program that supports awareness, ease of use and employee experience for enterprise applications and other resources	10,000
Vendor Management	Vendor Management Module for Licenses and Maintenance	15,688
Report Development	Contract for services to develop desired reports	10,000
<b>Total - Finance</b>		<b>35,688</b>
	<b>Total - Finance - Personnel</b>	<b>-</b>
	<b>Total - Finance - Operations</b>	<b>35,688</b>
	<b>Total - Finance - Capital</b>	<b>-</b>

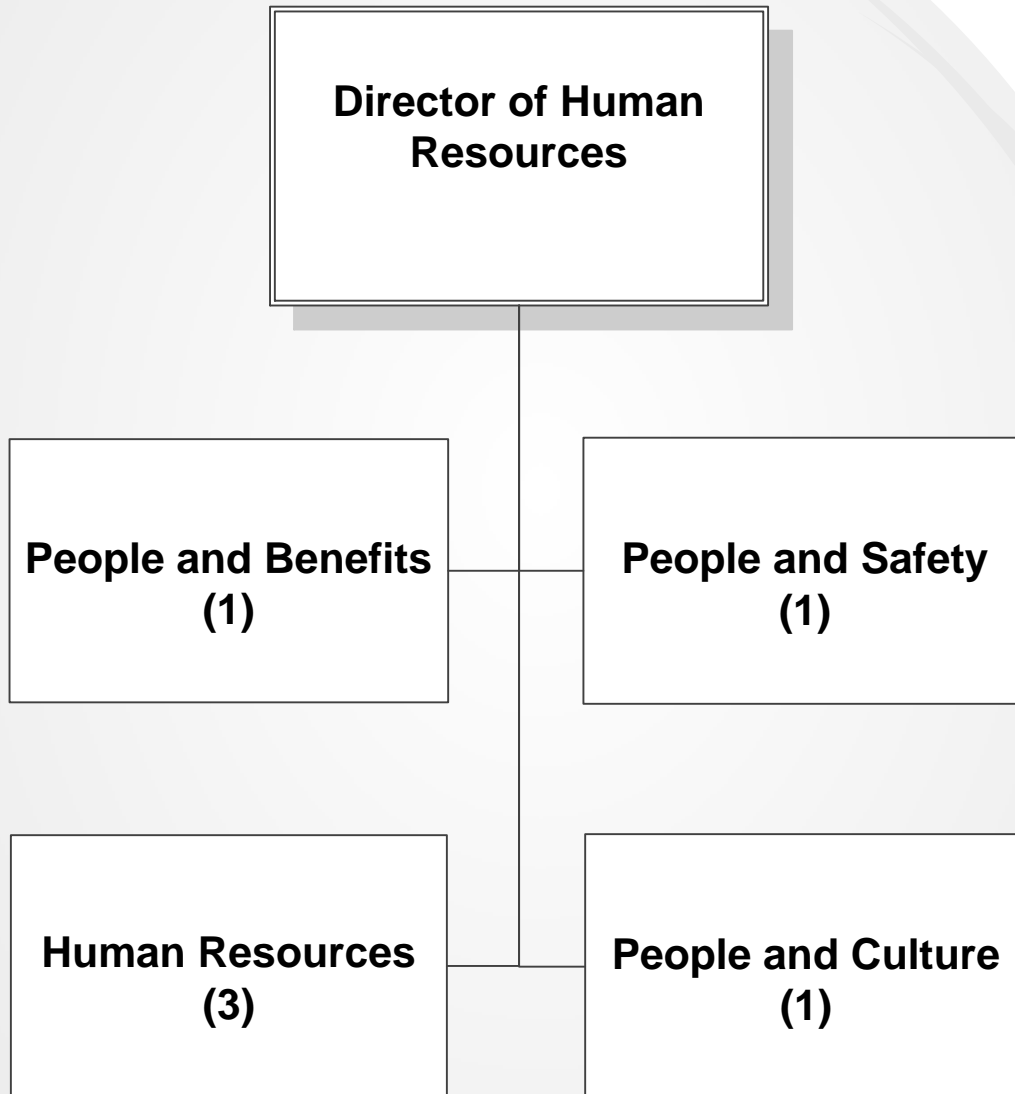
**Authorized Positions**

	<b>Pay Grade</b>	<b>FY 2017/18 Actual</b>	<b>FY 2018/19 Estimate</b>	<b>FY 2019/20 Budget</b>
Accounting & Budget Services Manager	136	1	1	1
Accounting Manager	133	1	0	0
Procurement Manager	133	1	0	0
Senior Financial Reporting/Compliance Officer	128	0	1	0
Senior Accountant	126	1	1	1
Support Services Administrator	126	0	1	1
Project and Planning Administrator	125	0	0	2
Contracting Officer	125	0	1	1
Project & Planning Specialist	124	1	1	0
Senior Budget Analyst	122	0	1	1
Budget Analyst I	119	3	2	2
Accountant II	117	0	0	1
Purchasing Coordinator	117	0	0	1
Financial Accountant I	114	0	1	1
Accountant	113	1	0	0
Budget Services Technician	112	1	0	0
Support Services Technician	112	1	1	1
Senior Accounting Technician	112	1	1	0
Accounting Technician II	110	1	1	1
Purchasing Officer	104	0	1	1
Finance Intern	101	1	1	1
<b><i>Total Authorized Positions</i></b>		<b><i>14</i></b>	<b><i>15</i></b>	<b><i>16</i></b>



SAN ANTONIO  
RIVER AUTHORITY

# Human Resources



# Human Resources

**Vision:** Building great teams of inspirers

**Mission:** Recruit, develop, and retain servant leaders and experts

## Department Description

The Human Resources Department partners with River Authority employees to promote a work environment that attracts and inspires employees who embody the River Authority’s core values and support the River Authority’s vision, mission, and organizational goals. The department makes available proactive support resources for the executive staff, managers, and employees and is focused on delivering quality customer service to all employees. Human Resources staff provides strategic and effective programs that attract, retain and develop top talent. Staff manages all internal communications, compensation, benefits, safety and risk management, and training and development programs while supporting the River Authority culture.

## Annual Objectives and Actions

OBJECTIVE 5.1: Advance the River Authority’s culture by improving employee resiliency through programs that support employees personally and professionally.

- ACTION: Implement a program building personal financial literacy skills for employees.
- ACTION: Develop strategies to assist with supporting our multi-generation workforce’s family and workplace needs.

OBJECTIVE 5.2: Develop and implement a SARA training program that improves ease of use and employee experience of technology and other resources.

- ACTION: Expand and exercise the Emergency Operation Plan by performing a table top exercise.

<b><i>Appropriations:</i></b>	<b><u>FY 2017/18</u></b>	<b><u>FY 2018/19</u></b>	<b><u>FY 2019/20</u></b>
	<b><u>Actual</u></b>	<b><u>Estimate</u></b>	<b><u>Budget</u></b>
Personnel Expenditures	\$387,764	\$408,898	\$472,659
Operating Expenditures	77,033	66,154	80,409
Capital Expenditures	-	-	-
<b><i>Total Appropriations</i></b>	<b><i>\$464,797</i></b>	<b><i>\$475,052</i></b>	<b><i>\$553,068</i></b>

### *Fiscal Analysis*

The Human Resources FY 2019/20 budget maintains the level of service compared to the FY 2018/19 estimate. Personnel funding has increased due to a full year of performance pay awarded in September 2018.

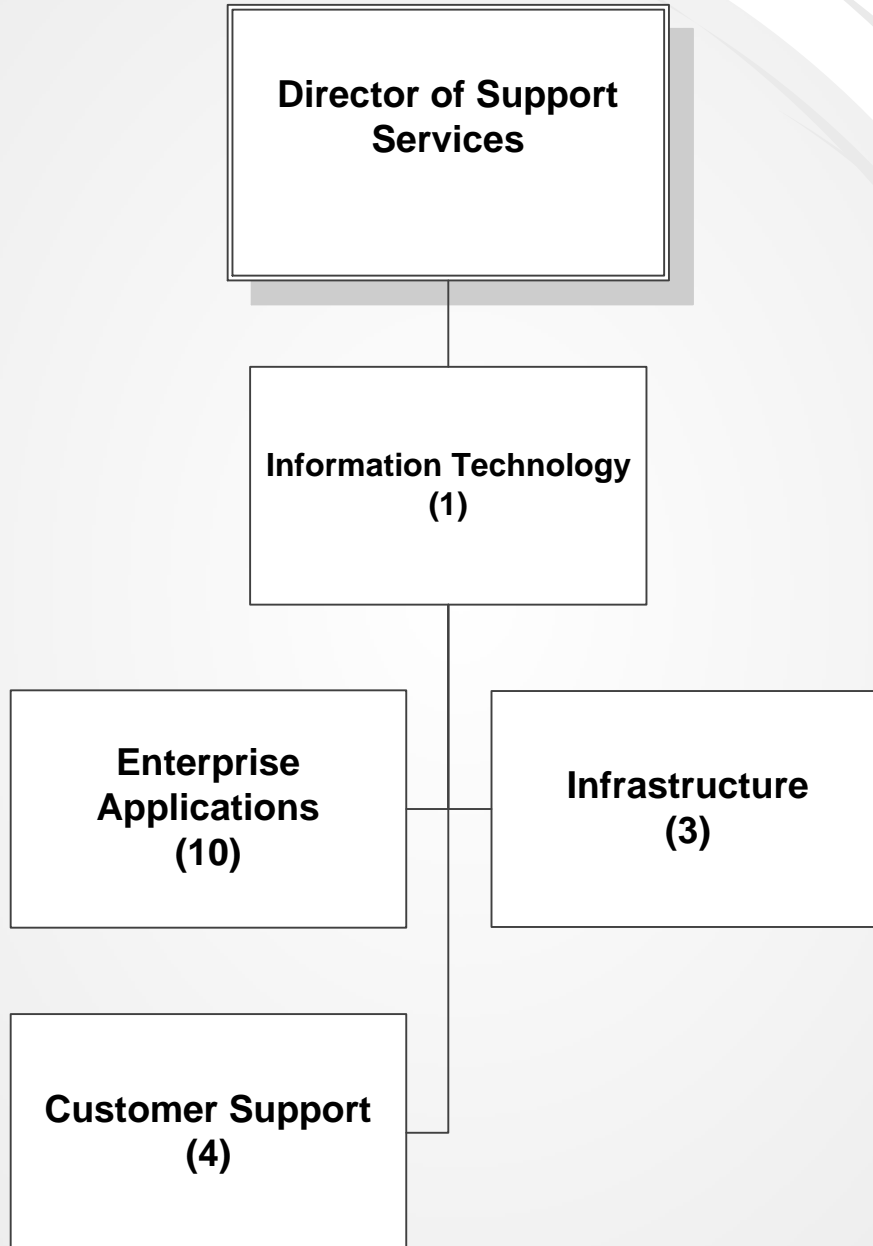
### *Authorized Positions*

	<b>Pay Grade</b>	<b>FY 2017/18 Actual</b>	<b>FY 2018/19 Estimate</b>	<b>FY 2019/20 Budget</b>
People & Safety Business Partner	124	1	1	1
People & Benefits Business Partner	122	1	1	1
People & Culture Business Partner	122	1	1	1
Human Resources Coordinator I	112	1	1	1
Administrative Assistant I	109	1	1	1
Human Resources Intern	101	1	1	1
<b><i>Total Authorized Positions</i></b>		<b>6</b>	<b>6</b>	<b>6</b>



SAN ANTONIO  
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# Information Technology





# Information Technology

**Vision:** As an epicenter of technology, we improve customer performance, always looking to remember the importance of the human interactions.

**Mission:** An empowering force with innovative approaches and an example of a full service commitment to its users.

## Department Description

The Department of Information Technology (IT) is primarily responsible for leading River Authority's technological assets. The network infrastructure, including servers, routers, telephone systems, software application support and application development, are diligently overseen by department staff. The department also serves as the strategic technological leader of the organization to ensure that the River Authority continues to operate in a highly efficient yet secure manner with a common vision that provides resources that are deemed necessary to increase employee productivity.

The IT Department is composed of three main teams: Customer Service, Infrastructure and Business Applications / Development that includes GIS. Together we collaborate to equip the River Authority with the necessary tools to overcome obstacles, and accelerate the fulfillment of our organizational objectives.

## Annual Objectives and Actions

OBJECTIVE 4.5: Ensure GIS data, applications and guidance documentation are easily accessible, intuitive and user-friendly, for both internal and external customers.

- ACTION: Develop centralized access point to all viewers, on both internal and external websites.
- ACTION: Provide how-to manuals/videos, FAQs, standards and training information for internal and external customers

<b><i>Appropriations:</i></b>	<b><u>FY 2017/18</u></b> <b><u>Actual</u></b>	<b><u>FY 2018/19</u></b> <b><u>Estimate</u></b>	<b><u>FY 2019/20</u></b> <b><u>Budget</u></b>
Personnel Expenditures	\$1,273,734	\$1,231,873	\$1,606,255
Operating Expenditures	1,474,339	1,973,225	2,217,768
Capital Expenditures	41,163	122,338	-
<b><i>Total Appropriations</i></b>	<b><i>\$2,789,236</i></b>	<b><i>\$3,327,436</i></b>	<b><i>\$3,824,022</i></b>

**Fiscal Analysis**

The Information Technology FY 2019/20 budget has a significant increase in comparison with FY 2018/19. Funding for new software is a key factor in the increase budget. Several new software applications/upgrades will help identify areas of improvement as well as increase cyber security and update our financial software solution. The FY 2019/20 budget includes a full year of funding for performance pay increases awarded in September 2018, as well as continued funding for a Limited Term Employee (LTE). The budget for operating expenses also increased mainly due to the investment in IT infrastructure equipment, professional services to assist with GIS services, and the refresh of existing computers through our replacement program.

**New Resources for FY 2019/20**

Description	Business Justification/Benefit to SARA and/or Stakeholders	Amount
<b>Information Technology</b>		
LTE	File/Folder restructure Effort with Executive Offices	53,925
FOIA Request Application	Application to support the Open Record request process and management.	15,000
Disaster Recovery	This will be used to identify areas where the SARA needs to improve its disaster recovery strategy. The list of enhancements may consist of improving bandwidth in Martinez II, relocating recovery site partially or completely by moving it to a cloud environment, implement recommendations as a result of the business continuity plan that TEEEX is developing, etc.	20,000
GIS Technology	Annual License that includes all extension (Workflow, Network Analysis, production mapping). Use this additional short term license to test all available for suitability.	6,000
Cyber Security	Cloud-native endpoint protection platform (anti-virus system) includes year round support and will strengthen the Cyber Security approach at SARA. This managed service will monitor all servers and computers at SARA regardless of where the user is located. If an intrusion is detected it will trigger a response team to stop and remediate any damage made.	25,000
Data development plan for GIS	This is to cover expenses associated with the development and implementation of a geospatial data management plan at SARA. This will be used for either the development of tools for the administration of the data to make the data searchable and easy to access by staff, for the contracting of services provided by third parties to help staff with the development, and/or the actual implementation of this plan and any other related expenses.	25,000

Description	Business Justification/Benefit to SARA and/or Stakeholders	Amount
<b>Information Technology</b>		
Conference Rooms	Cable management solution is needed as cords and connections require frequent repair in their current condition.	25,000
Misc. Departmental Software	Various software licenses to support departmental operations.	15,000
ONESolution Upgrade	Upgrade ONESolution, SARA's financial information system, from version 16.2 to version 18.2	22,570
<b>Total - Information Technology</b>		<b>207,495</b>
<b>Total - Information Technology - Personnel</b>		<b>53,925</b>
<b>Total - Information Technology - Operations</b>		<b>153,570</b>
<b>Total - Information Technology - Capital</b>		<b>-</b>

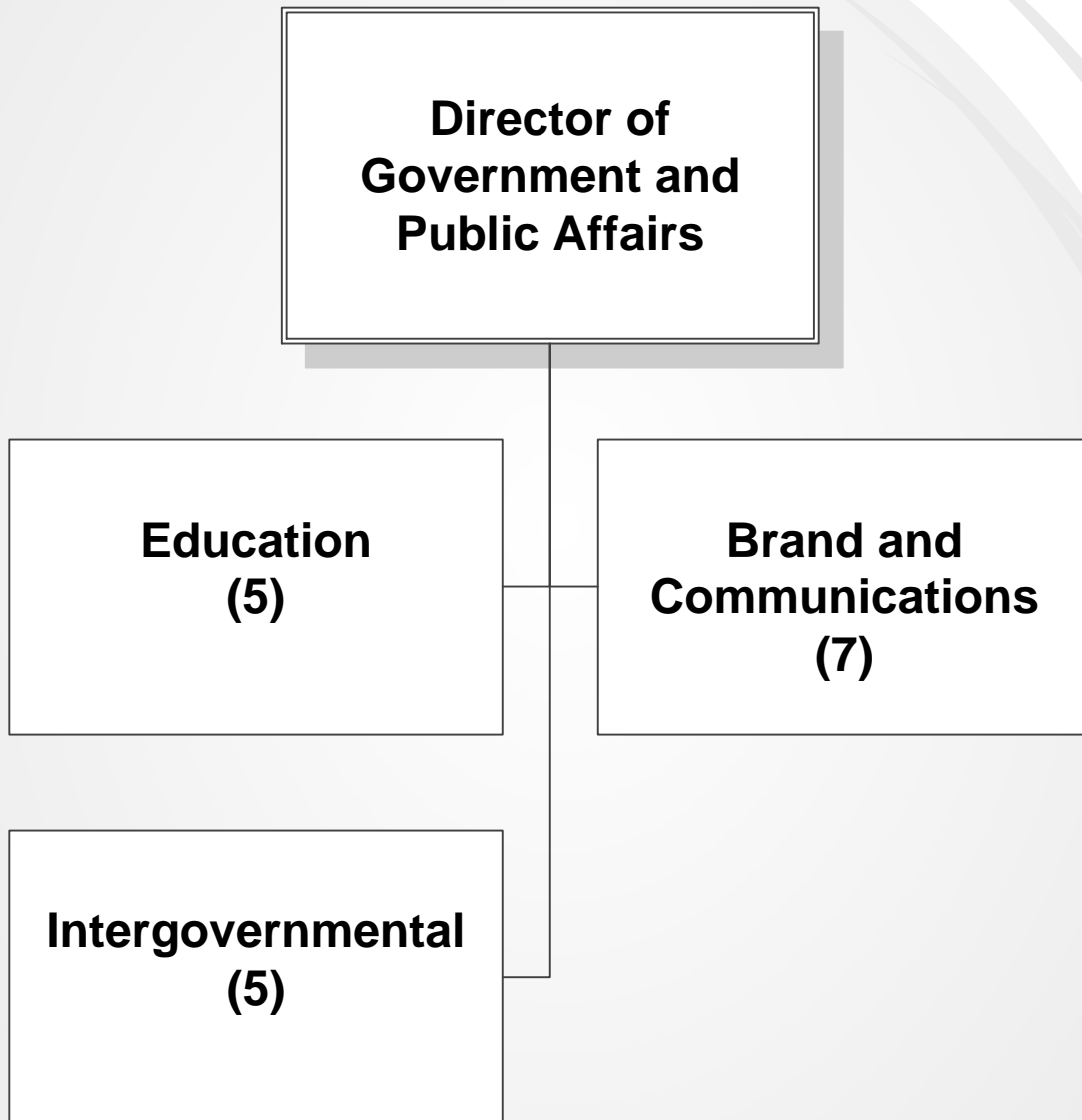
### Authorized Positions

	Pay Grade	FY 2017/18 Actual	FY 2018/19 Estimate	FY 2019/20 Budget
Information Technology Manager	136	1	1	1
Enterprise Applications Administrator	127	1	1	1
Customer Service Administrator	125	0	1	1
GIS Administrator	125	1	1	1
Infrastructure Administrator	125	1	1	1
Data/Development Administrator	124	1	1	1
Database Specialist	124	1	1	1
Development Support Specialist I	122	1	0	0
GIS Developer	122	0	1	0
Systems & Cybersecurity Specialist I	122	1	1	1
GIS Analyst II	122	1	1	1
GIS Analyst I	120	2	3	4
Customer Support Specialist II	119	0	1	1
IT Support Specialist I	118	2	1	1
Customer Support Specialist I	117	0	1	1
GIS Technician I	114	1	0	0
Administrative Support (LTE)	104	0	1	1
Development and Database (LTE)	104	1	0	0
Business Applications (LTE)	103	1	0	0
Geographic Information Systems (LTE)	103	1	0	0
Information Technology Intern	101	1	1	1
<b>Total Authorized Positions</b>		<b>18</b>	<b>18</b>	<b>18</b>



SAN ANTONIO  
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# Intergovernmental Community Relations



# Intergovernmental and Community Relations

**Vision:** Cultivating communities inspired to take action

**Mission:** Shaping communications to advocate for a safe, clean and enjoyable river

## **Department Description**

The Intergovernmental and Community Relations Department (IGCR) works to manage the River Authority's image within and outside of the district to advance the agency's vision and mission. IGCR staff strive to lead by example and set the agency standard for both internal and external customer responsiveness by cultivating a work environment within that fosters professional growth among the team members, recognizes both individual and team successes and supports a positive team atmosphere.

The intergovernmental component of IGCR helps to secure the River Authority's leadership role in developing and implementing holistic watershed solutions by fostering efficient and effective intergovernmental relationships. IGCR also coordinates responses to and visits from domestic and foreign governments, agencies and individuals seeking information and/or assistance from the River Authority.

The community relations staff provides external communications support by working directly with departments, goal leaders and project managers in the development of communications tools designed to increase awareness of the River Authority's vision, mission, services, projects and goals. The IGCR education staff develops outreach projects and education programs throughout the San Antonio River watershed targeting school-aged children, adults and community leaders and provide assistance to groups with missions consistent with the River Authority's.

## **Annual Objectives and Actions**

OBJECTIVE 3.1: Increase positive public awareness of and engagement with SARA.

- ACTION: Evaluate and measure effectiveness of Watershed Wise River Discovery website launch.
- ACTION: Increase Watershed Wise Warrior knowledge and engagement.
- ACTION: Implement an outreach initiative toward improving awareness and changing behaviors.

<b><i>Appropriations:</i></b>	<b><u>FY 2017/18</u></b>	<b><u>FY 2018/19</u></b>	<b><u>FY 2019/20</u></b>
	<b><u>Actual</u></b>	<b><u>Estimate</u></b>	<b><u>Budget</u></b>
Personnel Expenditures	\$991,429	\$1,108,468	\$1,210,354
Operating Expenditures	1,324,228	1,054,505	1,537,954
Capital Expenditures	12,831	-	-
<b><i>Total Appropriations</i></b>	<b><i>\$2,328,488</i></b>	<b><i>\$2,162,973</i></b>	<b><i>\$2,748,307</i></b>

**Fiscal Analysis**

The Intergovernmental and Community Relations FY 2019/20 budget is based on an increased level of service in comparison to the FY 2018/19 estimate. The budget for operating expenditures includes new, one-time funding for sponsorship of the annual River Rally convention early next summer. Additionally, a significant carry forward of funding from the FY 2018/19 Amended Budget for media campaign efforts is included. A detailed list of new resources included in the FY 2019/20 Intergovernmental and Community Relations Budget can be found below.

**New Resources for FY 2019/20**

Description	Business Justification/Benefit to SARA and/or Stakeholders	Amount
<b>Intergovernmental and Community Relations</b>		
River Rally 2020 sponsorship	San Antonio (the city not the entity) and SARA are the hosts of the 2020 River Rally and this is intended to cover host sponsorship and organization of tours including transportation expenses such as buses and even kayak / canoe rentals	42,500
<b>Total - Government and Public Affairs</b>		<b>42,500</b>
	<b>Total - Government and Public Affairs - Personnel</b>	<b>-</b>
	<b>Total - Government and Public Affairs - Operations</b>	<b>42,500</b>
	<b>Total - Government and Public Affairs - Capital</b>	<b>-</b>

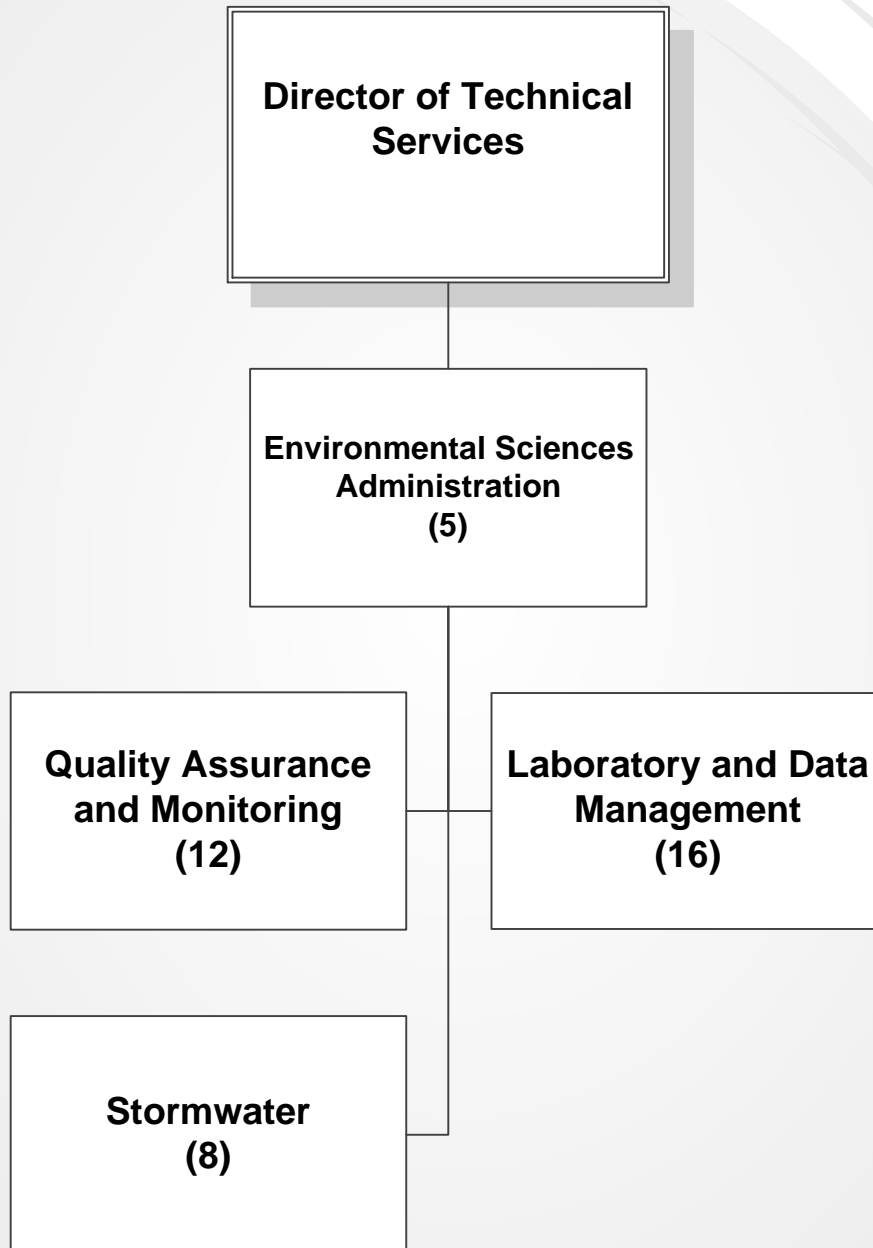
**Authorized Positions**

	<b>Pay Grade</b>	<b>FY 2017/18 Actual</b>	<b>FY 2018/19 Estimate</b>	<b>FY 2019/20 Budget</b>
Intergovernmental Manager	135	0	1	1
Intergovernmental Specialist	126	1	0	0
Brand & Communications Officer	125	1	1	1
Education Specialist	124	1	1	1
Community Relations & Events Specialist	122	1	1	1
Art Direction Specialist	122	1	1	1
Art Direction Coordinator I	118	0	1	1
Community Relations Coordinator II	118	0	1	1
Education Coordinator II	118	0	1	1
Community Relations Coordinator I	117	3	2	2
Education Coordinator I	117	1	0	0
Intergovernmental Coordinator I	117	3	3	3
Intergovernmental Technician	112	1	1	1
Web Developer (LTE)	104	1	0	0
Part-Time Education Coordinator	103	1	1	1
Education Intern	101	1	1	1
<b><i>Total Authorized Positions</i></b>		<b><i>16</i></b>	<b><i>16</i></b>	<b><i>16</i></b>



SAN ANTONIO  
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# Environmental Sciences





# Environmental Sciences

**Vision:** Uniting communities through innovative technologies to inspire environmental awareness

**Mission:** Enhancing watershed health through scientific expertise and strategic solutions

## **Department Description**

The Environmental Sciences Department (ESD) provides research, data gathering, scientific assessment, and environmental coordination for the San Antonio River Authority regarding water quality and environmental planning, pollution prevention, resource protection, stormwater management, ecosystem restoration, instream/environmental flow needs, sustainability, public health issues and public outreach. ESD houses a state of the art environmental laboratory that provides testing services in support of monitoring projects and efforts for internal and external entities throughout the watershed. ESD also provides services in the following areas: water quality/environmental monitoring; pollution investigation; quality assurance; data management; water quality planning and assessments; stormwater education, incentives, and monitoring; triple bottom line assessments; support on the City of San Antonio's SA Tomorrow Implementation process through urban planning focused on sustainable stormwater management and development options; and environmental support and collaboration for other River Authority departments. ESD strives to be a full service resource for other River Authority departments, agencies, and businesses that must comply with water-related environmental and public health regulations. In addition, ESD provides low impact development (LID) plan review services for public and private entities. Through the services provided by ESD, citizens in the San Antonio River Basin realize improved water quality and ecosystem health and optimum management of water resources including stormwater.

The department continues to encourage incorporation of low impact development and other onsite stormwater best management practices into public and private development projects through creation of incentives, elimination of barriers, and continued education, outreach and training. ESD coordinates with other River Authority departments on activities and projects that have environmental components and provide assistance in resolving environmental concerns. The department works to enhance interagency coordination efforts to advance basin-wide water quality planning efforts and promote integrated management practices to realize increased water quality.

## **Annual Objectives and Actions**

OBJECTIVE 1.2: Advance the capability for consumers to easily access and use models, data and master plans through development of tools.

- ACTION: Provide public access to and the ability to download relevant datasets needed to conduct LID design, siting and planning analyses.

**Annual Objectives and Actions (continued)**

OBJECTIVE 2.1: Target investments in projects and incentives that result in quantifiable water quality benefits.

- ACTION: Make SARA investments to incentivize public and private investments in identified focus areas.
- ACTION: Implement Best Management Practice (BMP) projects within the community

OBJECTIVE 2.2: Promote healthy ecosystems through proactive ecological restoration projects.

- ACTION: Perform biological restoration and species reintroduction.

OBJECTIVE 2.3: Proactively address the threats to creeks and rivers.

- ACTION: Utilize SARA protocol to identify sites for physical BMPs focused on load reduction.

OBJECTIVE 2.4: Drive adoption of sustainable design and development policy.

- ACTION: Obtain a policy position from key stakeholders on Low Impact Development.
- ACTION: Influence changes to the City of San Antonio Unified Development Code (UDC).
- ACTION: Influence changes to the City of San Antonio zoning codes.
- ACTION: Facilitate the stakeholder engagement regarding impervious cover mitigation.
- ACTION: Expand training opportunities on Low Impact Development for builders, designers, architects, and others.
- ACTION: Establish a champion or lead agency role for SARA with SA Climate Ready and/or SA Tomorrow.

<b><i>Appropriations:</i></b>	<b><u>FY 2017/18</u></b>	<b><u>FY 2018/19</u></b>	<b><u>FY 2019/20</u></b>
	<b><u>Actual</u></b>	<b><u>Estimate</u></b>	<b><u>Budget</u></b>
Personnel Expenditures	\$3,084,982	\$3,194,525	\$3,411,849
Operating Expenditures	507,630	626,694	812,162
Capital Expenditures	157,224	258,946	103,487
<b><i>Total Appropriations</i></b>	<b><i>\$3,749,836</i></b>	<b><i>\$4,080,165</i></b>	<b><i>\$4,327,498</i></b>

**Fiscal Analysis**

The Environmental Sciences FY 2019/20 budget is based on an increased level of service in comparison to the FY 2018/19 estimate. Funding for a new Molecular Biologist position is included. This position will develop and establish a Bacterial Source Tracking (BST) testing program in the Lab. Operations expenditures see an increase with a new monitoring site at the San Pedro Creek Culture Park, annual support renewal fee for laboratory software, and increased funding for lab supplies. Capital equipment funding for the Lab decreases compares to FY 2018/19 as only two pieces of equipment are being replaced. This includes a Metals Microwave Digester and Labware Washer. A detailed list of new resources included in the FY 2019/20 Environmental Sciences Budget can be found on the next page.

**New Resources for FY 2019/20**

<b>Description</b>	<b>Business Justification/Benefit to SARA and/or Stakeholders</b>	<b>Amount</b>
<b>Environmental Sciences - Laboratory</b>		
Computer	Computer set-up for Molecular Biologist	3,000
Inventory Management Renewal	Inventory Management Renewal est. 6/1/2020 to 5/30/2021	3,000
Molecular Biologist	Develop and establish BST testing program that will lead to implementing quantification methodology.	65,274
Metals Microwave Digester	Current unit needs to be replaced as it is obsolete and being phased out. The new unit will have improved temperature stability ensuring even temperature distribution and complete digestions, resulting in less re-digestions and improved performance. This equipment will support the testing needs of the CRP program, SARA's partners, and stormwater monitoring.	44,000
Labware Washer	Current unit has been discontinued and needs to be replaced with a new model with warranty coverage. It has performance issues and does not start or keep running continuously. The two labware washers support the daily washing needs of the laboratory and the stormwater section.	18,000
<b>Total - Environmental Sciences - Laboratory</b>		<b>133,274</b>

<b>Environmental Sciences - Planning and Administration</b>		
GPS Units	Two replacement GPS units to replace the current units that are outdated. These units are used to uniquely identify all sampling locations including water quality sampling, mussel, nekton and benthic surveys. These units will allow staff to collect the best location data.	19,000
San Pedro Creek Monitoring Site	This is an automated monitoring site that would measure dissolved oxygen, pH, conductivity and temperature at the San Pedro Creek Culture Park near the Santa Rosa bridge. Real time data will be available online for ESD and WPO to monitor. For this unit, staff would like to add a total algae smart sensor (chlorophyll & phycocyanin) to see if it can be used to predict algae blooms and avoid fish kills.	22,487
<b>Total - Environmental Sciences - Planning and Administration</b>		<b>41,487</b>

<b>Total - Environmental Sciences</b>		<b>174,761</b>
	<b>Total - Environmental Sciences - Personnel</b>	<b>65,274</b>
	<b>Total - Environmental Sciences - Operations</b>	<b>6,000</b>
	<b>Total - Environmental Sciences - Capital</b>	<b>103,487</b>

## Efforts

### Stormwater Monitoring and Sampling

The River Authority, through its Environmental Sciences Department, is at the forefront of stormwater monitoring, with an emphasis on three types of monitoring and data collection activities: continuous in-stream, stormwater event, and low impact development (LID) feature performance. The River Authority currently operates and maintains ten in-stream monitoring systems programmed continuously to measure several water properties under ambient and stormwater conditions. ESD stormwater unit members conduct maintenance and calibration regularly on the systems. After larger storm events, the team verifies that all systems are functioning and conducts emergency maintenance as necessary. Due to the differing topography, riparian conditions, and accessibility at each site, staff have tailored the systems to maximize performance and equipment security, including ensuring that equipment can withstand extreme heat and, recently, flood-proofing the systems. ESD stormwater and field staff also collect storm-specific water samples to characterize water quality from just before storms begin through the duration of the storm events. This monitoring is conducted at select locations both for creeks/streams and to determine the performance of LID features, including a LID feature at Elmendorf Lake Park. In FY 2019/20, staff will continue collections at established sites in support of the River Authority's watershed master planning. Staff activities consist of collecting baseline samples, monitoring the weather systems for storm development and duration, ensuring adequate sampling cylinders have been installed to capture the storm peak, and collecting the completed samples. ESD laboratory staff will continue developing action plans to deploy necessary resources to accommodate stormwater sample submittals. Also, laboratory staff will continue cross-training efforts and will implement laboratory instrument and equipment to streamline workflows and increase stormwater laboratory capacity.

### Bacterial Source Tracking Quantification

The River Authority's Regional Environmental Regional Laboratory research and developed qualitative bacterial source tracking methodology for human biomarkers in FY 2016/17 and is one of a small number of environmental laboratories in the state with the capability to qualitatively determine the presence of human fecal contamination sources in water bodies. In FY 2019/20, the laboratory will gain a Water Quality Molecular Biologist to facilitate the enhancement of this capability through research, development, and implementation of testing methodologies focusing on the quantification of human sources of fecal bacteria. The quantification capability will utilize in-place innovative technology to facilitate the identification and quantification of areas of concern directly related to human sources of bacterial pollution and determine best management practices for mitigation efforts.

### Mission Reach Mussel Survivability Study

The Mission Reach of the San Antonio River is located just downstream of downtown San Antonio. The current survey of the Mission Reach, found only one mussel. This mussel was found in a portion of the Mission Reach that was never completely de-watered, Davis Lake. Mussels have been found in remnants of the San Antonio River, downstream of downtown San Antonio, indicating that water quality may be suitable for mussel growth and reproduction. This effort transplanted mussels from the lower basin and placed them in two areas of the Mission Reach, with a control plot in Goliad County. Mussels were placed in protective bunkers, cages, and in unprotected plots at each site. The mussels are all identified by number and measured at intervals to determine growth and survivability at each site.

### National Parks Service Monitoring

As part of the Gulf Coast Network of the National Parks Service, the River Authority samples at four established long term water quality monitoring sites within the San Antonio Missions National Historical Park in Bexar and Wilson Counties.

### Mission Reach Intensive Nekton (Fish) and Aquatic Habitat Survey

Staff will conduct an intensive survey in the Mission Reach of the San Antonio River to develop a comprehensive list of fish that are currently in the Mission Reach and an inventory of types of aquatic habitats and their location. The fish will be measured to determine age classes, and the habitat that they were utilizing will be identified with each fish. The information from this survey will be used to determine future stocking of fish and modification of aquatic habitats in the Mission Reach.

### Sampling in Support of Environmental Flows

This monitoring is to determine which habitats are utilized by native fish under specific flow regimes, and to determine if different life stages use different habitats under the different flow conditions.

### Pollution Investigations and Prevention

River Authority staff investigate fish kills, illegal discharges into the creeks and rivers, dumping in or near a floodplain and incursions of the bed and banks that the River Authority owns. Staff conduct helicopter surveys of the rivers and creeks to identify any illegal dumping and incursions. Staff works with other agencies to prevent pollution through programs including cameras at dumping areas, multi-agency spill response exercises and providing sampling support for agencies that have enforcement powers.

**Authorized Positions**

	<b>Pay Grade</b>	<b>FY 2017/18 Actual</b>	<b>FY 2018/19 Estimate</b>	<b>FY 2019/20 Budget</b>
Environmental Sciences Manager	137	1	1	1
Senior Laboratory & Data Management Scientist	129	1	1	1
Senior Quality Assurance & Monitoring Scientist	129	1	1	1
Senior Stormwater Supervisor	129	1	1	1
Stormwater Landscape Architect	125	1	1	1
Sustainable Landscape Ecologist	125	1	1	1
Urban Stormwater Planner	125	1	1	1
Laboratory Supervisor	124	1	1	1
Environmental Investigation Supervisor	122	1	1	1
Quality Assurance Supervisor	122	1	1	1
Stormwater Investigation Supervisor	122	1	1	1
Stormwater Monitoring Supervisor	122	1	1	1
Environmental Data Specialist II	120	2	2	2
Quality Assurance Specialist II	120	1	1	1
Senior Water Quality Scientist	120	2	3	3
Stormwater Analyst I	120	1	1	1
Environmental Investigation Specialist I	119	1	1	1
Aquatic Biologist II	118	2	2	2
Laboratory Services Coordinator II	118	1	1	1
Molecular Biologist	118	0	0	1
Stormwater Scientist II	118	0	1	1
Water Quality Scientist II	118	3	1	3
Aquatic Biologist I	116	3	3	3
Stormwater Scientist I	116	1	1	1
Water Quality Scientist I	116	4	5	3
Administrative Assistant I	109	1	1	1
Administrative Support (LTE)	104	1	0	0
Part-Time Water Quality Scientist	103	1	1	1
Michael Gonzalez Intern	102	1	1	1
Data Management Intern	101	0	1	1
Watershed Monitoring Intern	101	1	1	1
Stormwater Intern	101	0	1	1
<b><i>Total Authorized Positions</i></b>		<b>38</b>	<b>40</b>	<b>41</b>



SAN ANTONIO  
RIVER AUTHORITY

# Real Estate

**Director of Technical  
Services**

**Real Estate  
(7)**

# Real Estate

**Vision:** Inspire others through the acquisition and preservation of lands for public use.

**Mission:** Provide Real Estate support and stewardship over River Authority lands.

## Department Description

The Real Estate Department provides real estate and water rights acquisition and disposition services as well as property management for the San Antonio River Authority. The department works with River Authority programs to fulfill their real estate and water rights needs using these guiding principles. Encourage the best land use in concert with River Authority enabling legislation and mission. Enhance the value of the River Authority’s real property assets including maximizing the revenue. Maintain consistency with the River Authority’s sustainability goals. Maintain an efficient approval process for land transactions.

<b><i>Appropriations:</i></b>	<b><u>FY 2017/18</u></b> <b><u>Actual</u></b>	<b><u>FY 2018/19</u></b> <b><u>Estimate</u></b>	<b><u>FY 2019/20</u></b> <b><u>Budget</u></b>
Personnel Expenditures	\$490,831	\$492,289	\$587,282
Operating Expenditures	24,976	38,489	42,522
Capital Expenditures			
<b><i>Total Appropriations</i></b>	<b><i>\$515,808</i></b>	<b><i>\$550,694</i></b>	<b><i>\$629,804</i></b>

## Fiscal Analysis

Real Estate FY 2019/20 budget maintains the same level of service in comparison to the FY 2018/19 budget estimate. Funding for the Administrative LTE is continued in FY2019/20. This position will administer support in QA/QC efforts for property data maintenance. This position is classified as a limited term employee and is employed on a fiscal year basis. Additionally, Personnel funding has increased due to a full year of performance pay awarded in September 2018.

### ***New Resources for FY 2019/20***

Description	Business Justification/Benefit to SARA and/or Stakeholders	Amount
<b>Real Estate</b>		
LTE	Real Estate LTE to support QA/QC efforts for property data maintenance.	53,799
<b><i>Total - Real Estate</i></b>		<b><i>53,799</i></b>
	<b><i>Total - Real Estate - Personnel</i></b>	<b><i>53,799</i></b>
	<b><i>Total - Real Estate - Operations</i></b>	<b><i>-</i></b>
	<b><i>Total - Real Estate - Capital</i></b>	<b><i>-</i></b>



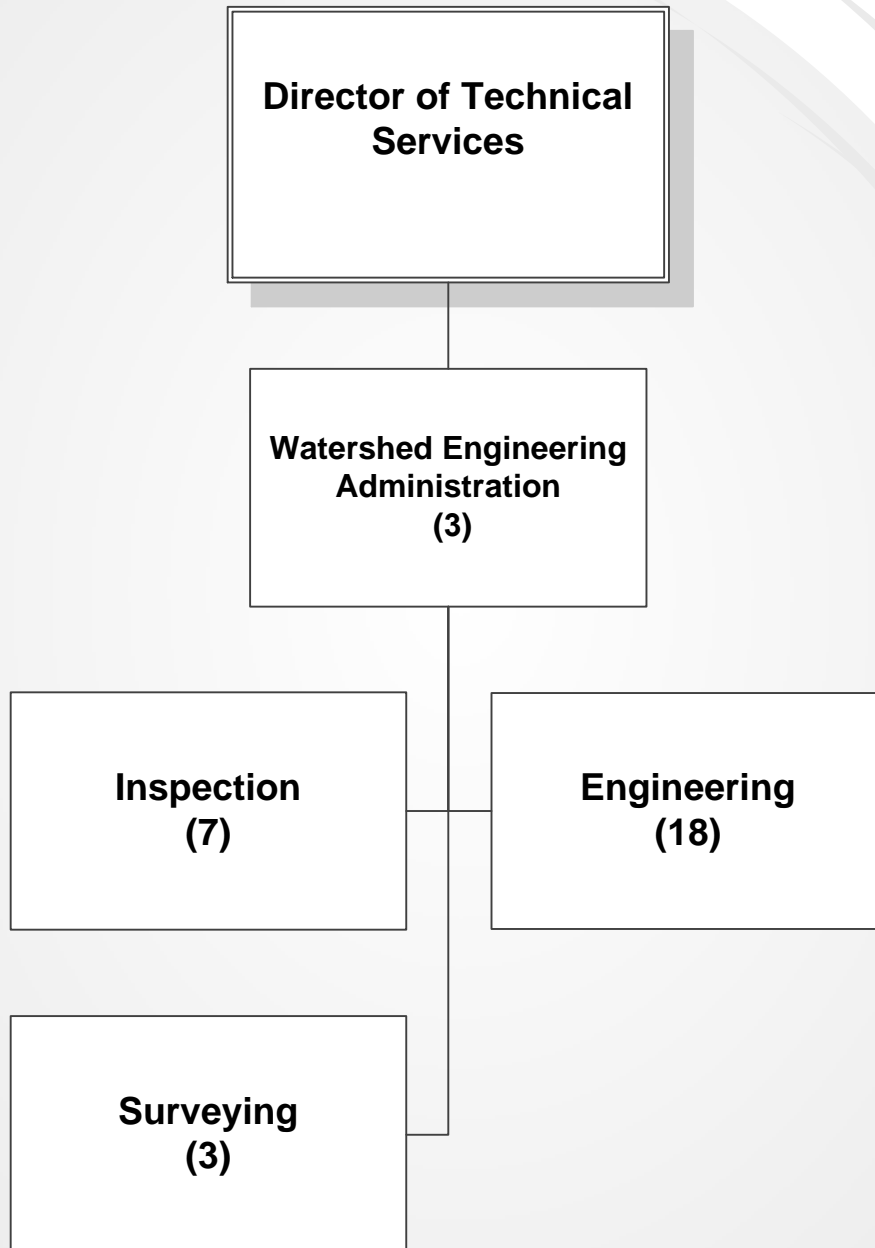
**Authorized Positions**

	<b>Pay Grade</b>	<b>FY 2017/18 Actual</b>	<b>FY 2018/19 Estimate</b>	<b>FY 2019/20 Budget</b>
Real Estate Manager	135	1	1	1
Real Estate Representative III	123	2	2	1
Real Estate Representative II	121	1	1	0
Real Estate Representative I	119	0	0	2
Administrative Assistant II	110	1	1	0
Administrative Assistant I	109	0	0	1
Administrative Support (LTE)	104	0	1	1
Real Estate Intern	101	0	1	1
<b><i>Total Authorized Positions</i></b>		<b>5</b>	<b>7</b>	<b>7</b>



SAN ANTONIO  
RIVER AUTHORITY

# Watershed Engineering



# Watershed Engineering

**Vision:** To be the preferred collaborator to develop scientific and technically innovative solutions that improve sustainability for the public

**Mission:** Innovative expertise in action to protect and improve our creeks and rivers

## Department Description

The Watershed Engineering (WSE) Department provides quality engineering services, project management, and technical support with emphasis on excellent customer service that reflects professionalism, responsiveness and accountability as well as utilization of project management best practices. The department supports capital improvement projects, water resource planning, and all other technical programs for the San Antonio River Authority. This department provides support and resources for the design, drafting, surveying, construction administration, inspection, and technical reviews necessary for implementation of stream and riparian restoration, sustainable stormwater management, wastewater collection and treatment, reuse water management, water quality and supply, parks and recreation, and other related projects. Watershed Engineering strives to complete all projects and tasks on schedule, within budget and at a quality that meets or exceeds the customers' expectations.

The department works with cities and counties in the River Authority's jurisdiction to assist them in floodplain administration, selection and prioritization of capital projects, and development of regional models and modeling standards. As one of the leaders of the Bexar Regional Watershed Management (BRWM) partnership, the Watershed Engineering Department works with staff from the City of San Antonio, Bexar County and suburban cities to maximize sustainability and efficiency, reduce duplication, and make decisions on a holistic watershed basis.

## Annual Objectives and Actions

OBJECTIVE 1.1: Target Investments to maintain SARA's technical leadership in flood, water quality and ecosystem modeling, mapping and analysis; and watershed master planning.

- ACTION: Integrate the various master plans into a single web-based Master Plan.
- ACTION: Develop new and update existing flood models.
- ACTION: Develop new and update existing water quality models.

OBJECTIVE 2.2: Promote healthy ecosystems through proactive ecological restoration projects.

- ACTION: Complete habitat and structural restoration projects.

OBJECTIVE 2.3: Proactively address the threats to creeks and rivers.

- Develop protocol for locating sites for BMPs based on load reduction.
- Installation and maintenance of physical resources.

<b><i>Appropriations:</i></b>	<b><u>FY 2017/18</u></b>	<b><u>FY 2018/19</u></b>	<b><u>FY 2019/20</u></b>
	<b><u>Actual</u></b>	<b><u>Estimate</u></b>	<b><u>Budget</u></b>
Personnel Expenditures	\$2,884,196	\$3,246,221	\$3,377,821
Operating Expenditures	1,144,597	1,032,459	886,284
Capital Expenditures	-	-	-
<b><i>Total Appropriations</i></b>	<b><i>\$4,028,793</i></b>	<b><i>\$4,278,680</i></b>	<b><i>\$4,264,105</i></b>

### **Fiscal Analysis**

Watershed Engineering FY 2019/20 budget reflects a constant level of service compared to the FY 2018/19 budget. The position of Watershed Engineering Administrator was converted to the Finance department. The increase in base budget personnel expenditures results from a full year funding of performance pay increases awarded in September 2018. The Watershed Engineering department heavily supports projects funded within the SARA Project Fund. Since the creation of the SARA Project Fund departmental operating expenditures have decreased. The bulk of operating expenditures is in professional services. These professional services dollars are used to advance the efforts highlighted below, which include master plan maintenance, stream restoration support, and USGS water quality and monitoring network.

### **Efforts**

The FY 2019/20 Budget appropriates funds for certain important activities in separate line items to ensure transparency for these important efforts. For Watershed Engineering, three efforts are highlighted.

#### **Master Plan Maintenance**

With this effort, the department looks to update holistic plan documents to reflect recommendations that have been implemented and changes within the watershed. This effort maintains the relevance and timeliness of the Holistic Watershed Master Plans while also providing products and information supporting advocacy for projects, policy, and outreach to improve the health and safety of the San Antonio River Basin.

#### **Stream Restoration Support**

This activity works to identify stream restoration opportunities and needs within the San Antonio River Basin and then plan, design, and implement projects to improve the safety and function of the stream system.

#### **U.S. Geological Survey (USGS) Water Quality and Monitoring Network**

The River Authority administers this effort to monitor normal conditions of receiving streams and collect data to document long term trends in water quality. The result is a real-time monitoring system that traces the continuity of water quality from ground water through spring emergences,

through the San Antonio metropolitan area, and includes tributaries that contribute flow to the San Antonio River as it flows to the coast.

**New Resources for FY 2019/20**

Description	Business Justification/Benefit to SARA and/or Stakeholders	Amount
<b>Watershed Engineering</b>		
WMS network license	Need two network license (dongle) for GSSHA program related to several projects and initiatives	11,100
WMS network license	Annual maintenance for WMS	1,580
<b>Total - Watershed Engineering</b>		<b>12,680</b>
<b>Total - Watershed Engineering - Personnel</b>		<b>-</b>
<b>Total - Watershed Engineering - Operations</b>		<b>12,680</b>
<b>Total - Watershed Engineering - Capital</b>		<b>-</b>

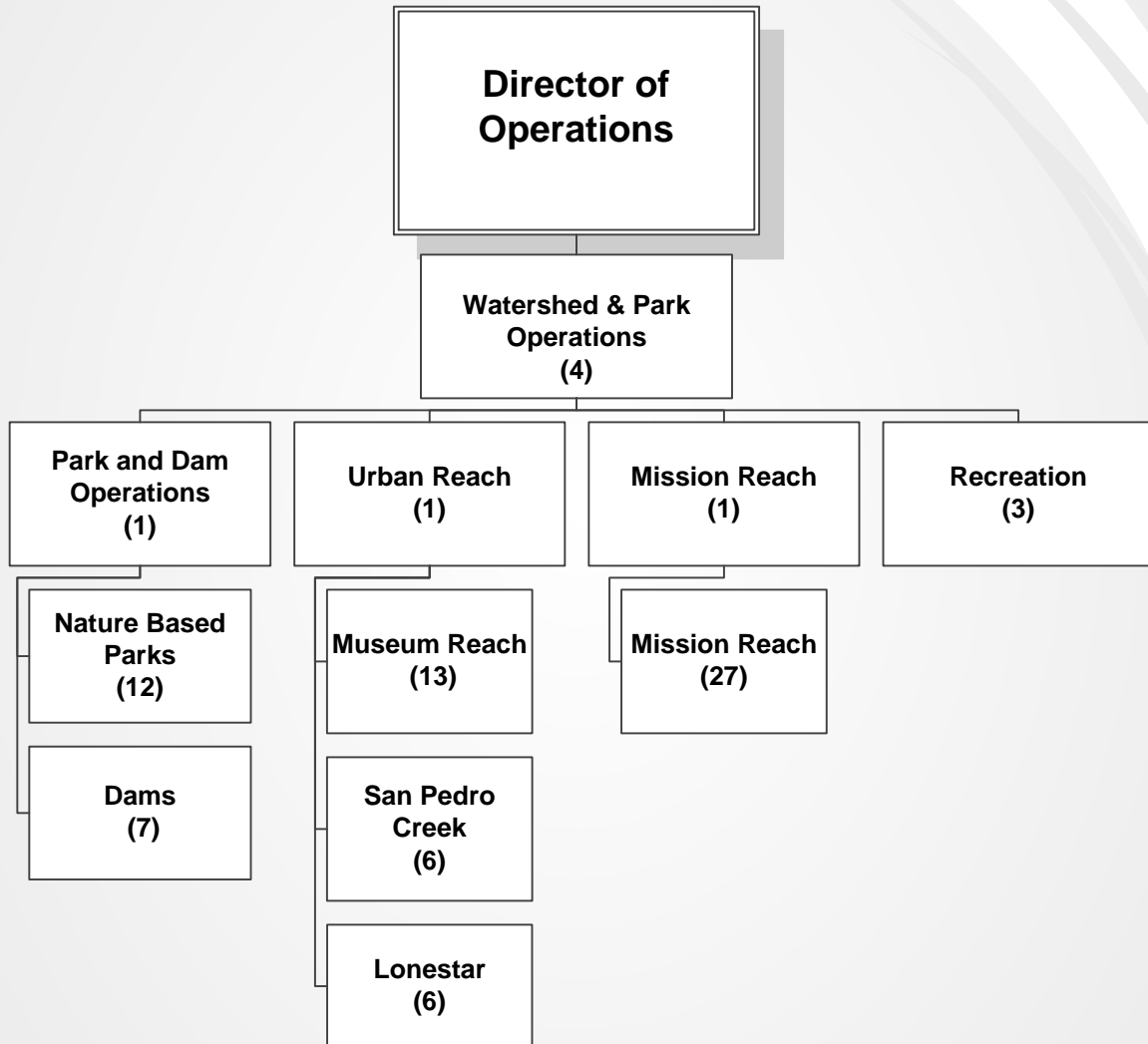
**Authorized Positions**

	Pay Grade	FY 2017/18 Actual	FY 2018/19 Estimate	FY 2019/20 Budget
Watershed Engineering Manger	137	1	1	1
Senior Engineer	132	3	3	3
Senior Technical Engineer	131	2	3	2
Engineer	130	8	7	8
Graduate Engineer	127	1	2	2
Watershed Engineering Administrator	125	1	1	0
Registered Professional Land Surveyor Lead	124	1	1	1
Engineer Technician Supervisor	122	1	1	1
Construction Inspector II	120	0	4	4
Senior Engineering Technician	119	5	1	0
Project Management Associate	119	0	0	1
Construction Inspector I	118	0	1	1
Survey Party Chief I	117	2	2	2
Engineering Technician I	115	1	1	1
Senior Administrative Assistant	111	1	1	1
Construction Administrative Coordinator	103	1	1	1
Engineering Apprentice	103	1	1	0
Engineering Technician Intern	101	0	0	1
Engineering Intern	101	0	1	1
<b>Total Authorized Positions</b>		<b>29</b>	<b>32</b>	<b>31</b>



SAN ANTONIO  
RIVER AUTHORITY

# Watershed and Park Operations



# Watershed and Park Operations

**Vision:** Provide world class opportunities to inspire actions.

**Mission:** Enriching community and watershed health through innovative service.

## Department Description

The Watershed and Park Operations (WPO) Department supports the River Authority's dam maintenance, telemetry units, Mission and Museum Reach maintenance (along the San Antonio River north and south of downtown San Antonio), San Pedro Creek Culture Park maintenance, targeted flood debris cleanup, ecosystem management, the management of River Authority linear and nature based parks and river access sites, programming, recreational opportunities, recreational and special events, development along the San Antonio River and maintenance activities. The department is comprised of staff who work to support all the functions described above. This is done by focusing on the operations, landscape, and recreational opportunities within the River Authority's four county jurisdiction.

Operations staff maintain a high standard of operational maintenance and performance for federally-assisted flood damage reduction projects. They deliver a valued public service through the continued implementation of the Dam Management and Safety Program. Staff develop and manage the policies and procedures for recreation facility usage within River Authority managed parks, develop and implement regular park programming, create and execute special recreation events and build relationships with other public and private entities and recreation user groups.

Staff focus on sustainable landscape management that utilize sustainable techniques for adaptive management of formal landscapes and natural areas. They also provide support for projects, programs, and efforts with best management practices that involve the use of native and sustainable vegetation for wildlife habitat, water conservation, and water quality benefits all of which support the River Authority's mission.

## Annual Objectives and Actions

OBJECTIVE 3.1: Increase positive public awareness of and engagement with SARA.

- Establish target number for SARA and non-SARA events/reservations at parks.

OBJECTIVE 3.2: Grow the use of SARA parks and trails.

- ACTION: Upgrade Karnes County Maintenance Facility.
- ACTION: Secure funding and initiate construction for Phase 2 of the improvements at Escondido Creek Parkway (Project #0397).
- ACTION: Master plan Espada Park in accordance with Joint Use Agreement (Project #0622).
- ACTION: Seek grant opportunities for SARA Parks and Trails.

**Annual Objectives and Actions (continued)**

- ACTION: Mission Reach – Upgrade restroom at Espada Park by connecting it to the sewer system.
- ACTION: Conduct river accessibility effort that investigates various types of access points to the river (mule, pedestrian, etc.) and identifies suitable locations for access across the basin.
- ACTION: Paddling trails – Install portage point at Riverdale.

OBJECTIVE 3.3: Engage with community partners to expand recreational opportunities.

- ACTION: Establish a target number for increased park programming.
- ACTION: Seek additional grant opportunities for recreation programming.

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<b><i>Appropriations:</i></b>	<b><u>FY 2017/18</u></b>	<b><u>FY 2018/19</u></b>	<b><u>FY 2019/20</u></b>
	<b><u>Actual</u></b>	<b><u>Estimate</u></b>	<b><u>Budget</u></b>
Personnel Expenditures	\$4,374,449	\$4,787,905	\$5,015,947
Operating Expenditures	2,215,876	3,142,349	3,390,068
Capital Expenditures	416,972	306,912	169,000
<b><i>Total Appropriations</i></b>	<b><i>\$7,306,296</i></b>	<b><i>\$8,237,166</i></b>	<b><i>\$8,575,015</i></b>

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**Fiscal Analysis**

The WPO FY 2019/20 budget is based on an increased level of service in comparison to the FY 2018/19 estimate. The River Authority’s first park in Karnes County, Escondido Creek Parkway, is scheduled to open in 2020. Included in the WPO budget is three months of operations and maintenance expenditures and new equipment (\$79,000) and three new Park Technicians (\$34,224) to support new park operations. The base budget for WPO remains fairly flat with minor increases in operations and maintenance for the Museum and Mission Reach segments of the San Antonio River, the San Pedro Creek Culture Park, River Authority owned nature based parks, and dam maintenance in Bexar County and Karnes County. The focus for new resources is on maintaining good working equipment, enhancements to parks, and general property maintenance. A detailed list of new resources included in the FY 2019/20 WPO Budget can be found on the next page.



**New Resources for FY 2019/20**

<b>Description</b>	<b>Business Justification/Benefit to SARA and/or Stakeholders</b>	<b>Amount</b>
<b>Watershed and Park Operations</b>		
Park Technician I	Supportive of new Escondido Creek Parkway	11,408
Park Technician I	Supportive of new Escondido Creek Parkway	11,408
Park Technician I	Supportive of new Escondido Creek Parkway	11,408
New park tech truck	3/4 ton 4x4 crew cab gas for Escondido Creek Parkway	40,000
New park techs- One desktop computer	Computer for new employees	2,000
Parks- pressure washer with trailer	Supportive of new Escondido Creek Parkway Operations and Maintenance	10,000
Parks- zero turn mower	Supportive of new Escondido Creek Parkway Operations and Maintenance	9,000
Parks- small tools and supplies	Supportive of new Escondido Creek Parkway Operations and Maintenance	18,000
Trail panel maintenance on Mission	Various panels at expansion joints are shifting.	20,000
Seal coat orchard road at Helton	Existing road was chip sealed three years ago. In order to extend the life and manage chip seal, seal coat is needed.	60,000
River of Lights	Will be used for consultant, new displays/lights, and install and take down of holiday lighting on the Museum Reach.	100,000
Eco-Counters	Two counters for San Pedro Creek, one for Confluence Park, and two for Escondido Creek Parkway.	19,000
Interactive Kiosk at Museum	Supportive of way finding and interactive opportunities for visitors. Kiosk will be similar to what has been done on San Pedro Creek by Bexar County and will be placed near the Brooklyn Lock & Dam.	50,000
Truck	Replacement of existing gas truck purchased in 2010. Request 3/4 ton diesel 4x4 to move equipment around to various locations.	60,000
<b>Total - Watershed and Park Operations</b>		<b>422,224</b>
	<b>Total - Watershed and Park Operations - Personnel</b>	<b>34,224</b>
	<b>Total - Watershed and Park Operations - Operations</b>	<b>219,000</b>
	<b>Total - Watershed and Park Operations - Capital</b>	<b>169,000</b>

## *Efforts*

The FY 2019/20 Budget appropriates funds for certain important activities in separate line items to ensure transparency for these important efforts. For Watershed and Park Operations, two efforts are highlighted.

### *Flood Debris Clean-up*

This effort includes citizen and private property owner involvement in a systematic approach to locate, assess, and prioritize for removal flood debris from critical areas along regional waterways within the San Antonio River Authority's four county jurisdiction. This waterway cleanup effort has resulted in five to eight miles of waterway conveyance enhancements and three to five tons of man-made debris removal annually.

### *River of Lights*

The Annual River of Lights Kickoff and the Deck the River Contest is a free, holiday-themed family-friendly event hosted by the San Antonio River Authority. The River Authority decorates the river and 40 trees with thousands of lights from Lexington to Josephine Street to include the Pearl turning basin. Festivities get under way on the first Saturday in December on the Museum Reach segment of the San Antonio Riverwalk. Visitors experience the spirit of the holidays with a display of holiday lights, a Santa's Wonderland on the Brooklyn Ave. Bridge, holiday music river barges, musical performances by local schools and groups including the Holiday Artisans.

Visitors can also participate in the San Antonio River Authority's Annual Deck the River Contest by visiting various businesses and organizations along the Museum Reach who compete in a Holiday themed decoration contest by decorating or lighting up their river facing facades. The public picks their favorite Deck the River Contest participant by voting on the River Authority's website.

**Authorized Positions**

	<b>Pay Grade</b>	<b>FY 2016/17 Actual</b>	<b>FY 2017/18 Estimate</b>	<b>FY 2018/19 Budget</b>
Watershed & Parks Operations Manager	137	1	1	1
Senior Superintendent	126	1	1	1
Mission Reach Superintendent	124	1	1	1
Park & Dam Superintendent	124	1	1	1
Recreation Superintendent	124	1	1	1
Urban Reach Superintendent	124	1	1	1
Training Specialist	121	0	1	1
Natural Resource Management Specialist	119	1	1	1
Dam Foreman	117	2	2	2
Park Foreman	117	1	1	1
Park Program Coordinator I	117	1	2	2
Riparian Landscape Foreman	117	2	2	2
Riparian Operations Foreman	117	2	2	2
San Pedro Creek Foreman	117	1	1	1
Telemetry Technician I	115	0	1	1
Dam Crewleader II	113	1	1	1
Park Project Coordinator	113	1	1	1
Riparian Landscape Crewleader II	113	2	2	0
Riparian Operations Crewleader II	113	1	1	0
Dam Crewleader I	112	3	2	2
Lock & Dam Crewleader I	112	0	1	1
Park Crewleader I	112	1	2	2
Riparian Equipment Crewleader I	112	2	1	1
Riparian Landscape Crewleader I	112	2	2	4
Riparian Operations Crewleader I	112	1	1	2
San Pedro Creek Crewleader I	112	1	1	1
Lock & Dam Technician II	110	1	0	0
Park Technician II	110	1	2	2
Riparian Equipment Technician II	110	1	1	0
Riparian Landscape Technician II	110	3	6	3
Riparian Operations Technician II	110	3	1	1
Administrative Assistant I	109	1	1	1
Dam Technician I	109	2	2	2
Lock & Dam Technician I	109	3	3	3
Park Technician I	109	5	4	6
Riparian Equipment Technician I	109	1	1	3
Riparian Landscape Technician I	109	17	15	18
Riparian Operations Technician I	109	5	7	7
CNG Mechanic (Part-Time)	104	1	1	1
<b><i>Total Authorized Positions</i></b>		<b>75</b>	<b>78</b>	<b>81</b>



SAN ANTONIO  

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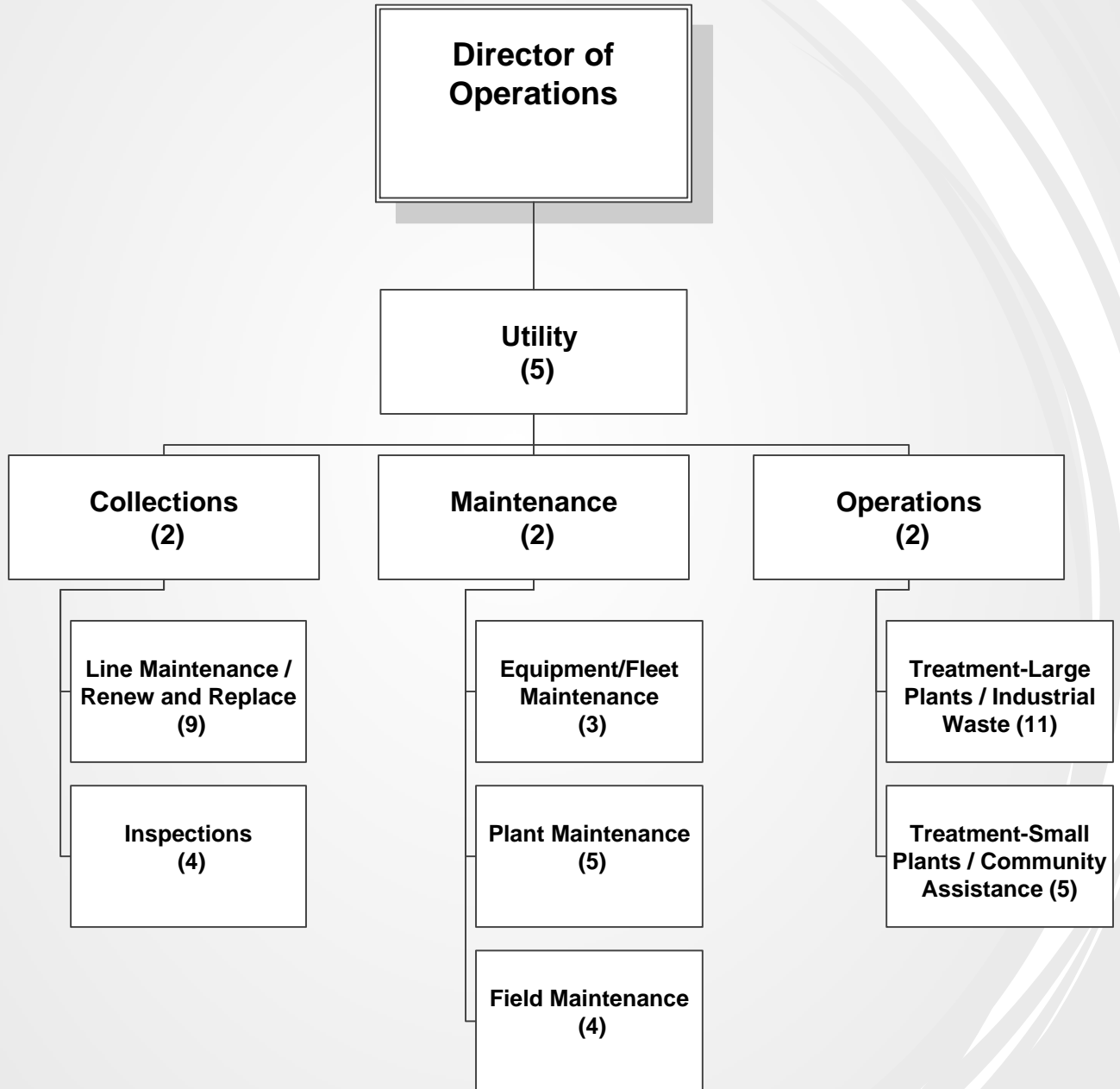
RIVER AUTHORITY

# Utility Funds



**Photo by Siouxi A. Silva Veracruz  
2019 River Clicks Photo Contest  
Student Category Winner**

# Utility Department



# Utility Department

**Vision:** Influencing sustainable actions through innovative water reclamation solutions.

**Mission:** Protecting our creeks and rivers through utility expertise, public service, and education.

## Department Description

The River Authority began providing wastewater utility services in 1966. Today, the River Authority has seven permitted active wastewater treatment plants and maintains collection lines. The department currently provides wastewater service to portions of northeast San Antonio and the cities of Converse, Live Oak, Universal City, Schertz, and Elmendorf.

The Utility Department also provides water and wastewater related services by contract throughout the San Antonio River Basin. This includes the La Vernia Wastewater Treatment Plant (WWTP) operations, Somerset WWTP operations and collection system, First Responders Academy WWTP operations, Woodlake reuse water operations, and the Goliad County Water Supply Corporation water operations. The River Authority also operates and maintains the wastewater collection system at Randolph Air Force Base (RAFB). This includes annual capital improvement projects and operations and maintenance activities.

## Annual Objectives and Actions

OBJECTIVE 4.2: Increase service delivery of the utility enterprise.

- ACTION: Develop project plan for the expansion of the Salitrillo Wastewater Treatment Plant (Project #0612).
- ACTION: Promote strategic growth within the Martinez IV service delivery area through coordination with developers and other stakeholders.
- ACTION: Develop project plan for expansion of the Martinez IV WWTP (Project #0627)

OBJECTIVE 4.3: Improve service delivery of the utility enterprise.

- ACTION: Implement applicable recommendations provided by professional review of the utility business.
- ACTION: Complete and analyze cost benefit of automation opportunities identified in business review to reduce cost at plants.
- ACTION: Connect First Responders Academy plant to SCADA or other remote management systems.

<b><i>Authorized Positions</i></b>	<b>Pay Grade</b>	<b>FY 2017/18 Actual</b>	<b>FY 2018/19 Estimate</b>	<b>FY 2019/20 Budget</b>
Utility Manager	137	1	1	1
Facilities & Maintenance Superintendent	124	0.5	0	0
Utility Development Superintendent	124	1	1	1
Utility Operations Superintendent	124	1	1	1
Master Electrician	122	1	1	1
Assistant Maintenance Superintendent	120	1	1	1
Assistant WWTP Operations Superintendent	120	1	1	1
Collection System Quality Control Supervisor	118	1	1	1
Community Assistance Operator	118	1	1	1
Operations Quality Control Supervisor	118	1	1	1
Collection System Foreman	117	2	2	2
Field Maintenance Foreman	117	0	0	0
Line Inspection Foreman	117	1	1	1
Operations Facility Foreman	117	2	2	2
Plant Maintenance Foreman	117	1	1	0
Shop Maintenance Foreman	117	1	1	0
Utility Business Coordinator	117	0	0	1
Senior GIS Technician	116	1	1	1
Senior Line Inspector	116	1	1	1
CCTV Utility Specialist	115	1	1	1
Equipment Operator Lead Specialist	115	1	1	1
Industrial Waster Inspector/Chief Operator	115	0	1	1
Operations Lead Specialist	115	1	1	1
Lead Laboratory Analyst	114	1	1	1
Sludge Facility Operator II	114	1	1	0
Maintenance Specialist II	113	1	1	1
Operations Specialist II	113	2	3	1
Plant Maintenance Crewleader II	113	0	0	1
Sludge Facility Operator I	113	0	0	1
Collection System Specialist I	112	2	2	2
Equipment Specialist I	112	1	1	1
Field Maintenance Crewleader I	112	0	0	1
Maintenance Specialist I	112	2	2	1
Shop Maintenance Crewleader I	112	0	0	1
Senior Administrative Assistant	111	1	1	1
Senior Collection System Technician	111	0	1	1
Collection System Technician II	110	2	0	0
Equipment Technician II	110	0	2	2
Operations Technician II	110	4	2	3
Administrative Assistant I	109	1	1	1
Collection System Technician I	109	1	1	1
Equipment Technician I	109	2	0	0
Maintenance Technician I	109	4	5	5
Operations Technician I	109	5	6	6
<b><i>Total Authorized Positions</i></b>		<b><i>51.5</i></b>	<b><i>52</i></b>	<b><i>52</i></b>



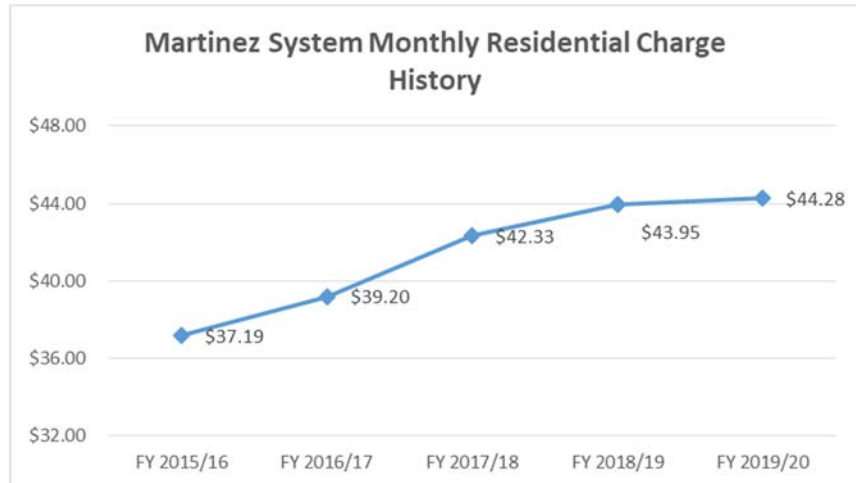
## San Antonio River Authority Wastewater Systems Operating Fund

The San Antonio River Authority (SARA) Wastewater Systems Operating Fund accounts for cost associated with the SARA wastewater system. This system has several plants as well as a collections system, all of which are operated and maintained by Utility Department staff. The plants include: the Upper Martinez Wastewater System, the Martinez II Wastewater System, the Martinez III Wastewater System, the new Martinez IV Wastewater System, and the Highway 181 Wastewater System. These systems primarily serve residents and the business community located within portions of eastern/northeast Bexar County.

Additionally, the SARA wastewater system accounts for costs associated with various contracts the San Antonio River Authority has to provide water and wastewater related services. The areas served by these agreements are located in Bexar, Wilson, and Goliad counties.

### Fiscal Analysis

The River Authority staff has been collaboratively working to ensure the continued success and service of the wastewater utility enterprise. For FY 2019/20, the rates for the Martinez wastewater system results in an average monthly charge to the customer of \$44.28. For FY 2019/20, the rate consists of two components. The variable rate, which covers



operations and maintenance expenditures, is decreasing from \$4.69 per 1,000 gallons to \$4.54 per 1,000 gallons. This decrease is a result of a decrease in operating expenditures and the support fee in FY 2019/20. The fixed rate, which covers capital as well as renewal and replacement expenditures, is increasing from \$20.54 to \$22.26. Major capital investments, driven either by aging infrastructure or plant expansions, have been identified in the Adopted Budget for the SARA Wastewater System. Adjustments to the rates, approved by the Board of Directors through ordinances, are incorporated in the budgeted revenues for the wastewater systems to help fund the rolling five year average of expected capital projects. The \$2.9 million transfer to the SARA Wastewater Construction and Improvements Fund helps fund these projects. The following tables show the five year rate forecast and new resources for the SARA Wastewater System

### **SARA Wastewater Rate Forecast**

Winter Average (constant variable) 5,000

FY20 PROPOSED RATE							
		FY19	FY20	FY21	FY22	FY23	FY24
<b>Proposed Rate</b>							
	fixed	20.54	22.26	22.66	22.70	22.72	24.86
	variable rate	4.69	4.54	4.64	4.76	4.89	5.01
<b>Estimated Monthly Charge</b>							
	fixed	20.54	22.26	22.66	22.70	22.72	24.86
	variable charge	23.45	22.70	23.20	23.80	24.45	25.05
<b>Total Estimated Charge</b>		<b>\$ 43.99</b>	<b>\$ 44.96</b>	<b>\$ 45.86</b>	<b>\$ 46.50</b>	<b>\$ 47.17</b>	<b>\$ 49.91</b>
	<i>Annual % Change</i>	-	2.21%	1.99%	1.40%	1.43%	5.81%
	<i>Monthly \$ Change</i>	-	\$ 0.97	\$ 0.90	\$ 0.64	\$ 0.67	\$ 2.74

### **New Resources for FY 2019/20**

Description	Business Justification/Benefit to SARA and/or Stakeholders	Amount
<b>SARA Wastewater Operations</b>		
Floating Aerator - Upper Martinez	Staff had to use spare pump at Salitrillo in FY 2018/19. Need to purchase a new back up aerator to have on hand if another goes out. The aerator is needed for plant compliance with TCEQ permit parameters.	30,000
SCADA	Various improvements to SCADA system.	25,000
Pick Up Truck with flatbed	Replacement of 2008 model (0806) 73,820 miles and in poor condition.	60,000
Pick Up Truck	Replacement of 2008 model (0809) 80,646 miles and in poor condition.	60,000
Pick Up Truck	Replacement of 2008 model (0621) 148,892 miles and in poor condition.	60,000
ATV Martinez IV	Needed for new plant to haul supplies, equipment, and samples across property. Will also be used to access creek through muddy and rough terrain.	15,000
Computer Replacement	Annual computer refresh.	9,900
<b>Total - SARA Wastewater Operations</b>		<b>259,900</b>

**San Antonio River Authority  
SARA Wastewater Systems Operating Fund  
Fiscal Year Ending June 30, 2020**

**Fund: 70**

<b>Available Funds</b>	<b>FY 2017/18 Actual</b>	<b>FY 2018/19 Amended Budget</b>	<b>FY 2018/19 Estimate</b>	<b>FY 2019/20 Budget</b>
<b>Beginning Balance</b>				
Unrestricted Balance	\$ 4,590,145	\$ 4,439,795	\$ 4,911,928	\$ 4,310,951
Total Beginning Balance	\$ 4,590,145	\$ 4,439,795	\$ 4,911,928	\$ 4,310,951
<b>Revenue</b>				
Investment Earnings	\$ 78,659	\$ 50,000	\$ 73,279	\$ 70,000
Intergovernmental Revenue	519,303	517,255	488,052	510,450
Charges for Services	8,912,291	9,630,937	9,570,926	9,924,523
Miscellaneous	271,838	75,000	155,000	125,000
Total Revenue	\$ 9,782,091	\$ 10,273,192	\$ 10,287,256	\$ 10,629,973
<b>TOTAL AVAILABLE FUNDS</b>	<b>\$ 14,372,236</b>	<b>\$ 14,712,987</b>	<b>\$ 15,199,184</b>	<b>\$ 14,940,923</b>
<b>APPROPRIATIONS</b>				
Personnel Expenditures	\$ 2,647,613	\$ 2,854,406	\$ 2,675,733	\$ 2,835,647
Operating Expenditures	2,490,098	2,279,209	2,301,589	2,252,675
Capital Outlay	175,903	335,100	45,497	651,175
Debt Service - Revenue Bonds	1,186,667	1,684,159	1,684,159	1,669,096
Transfers - Construction and Improvements	2,300,000	3,250,000	3,250,000	2,900,000
Transfers - Support Fees	1,487,417	1,513,473	1,513,473	1,325,623
Reimbursements	(827,390)	(694,700)	(582,217)	(650,000)
<b>TOTAL OPERATING APPROPRIATIONS</b>	<b>\$ 9,460,308</b>	<b>\$ 11,221,647</b>	<b>\$ 10,888,233</b>	<b>\$ 10,984,216</b>
Debt Service Reserve	1,502,815	1,912,815	1,912,815	1,912,815
Operating Reserve	2,899,113	1,283,404	2,103,015	1,543,892
Repair and Replacement Reserve	510,000	295,121	295,121	500,000
<b>TOTAL APPROPRIATIONS</b>	<b>\$ 14,372,236</b>	<b>\$ 14,712,987</b>	<b>\$ 15,199,184</b>	<b>\$ 14,940,923</b>

## Salitrillo Operating Fund (71)

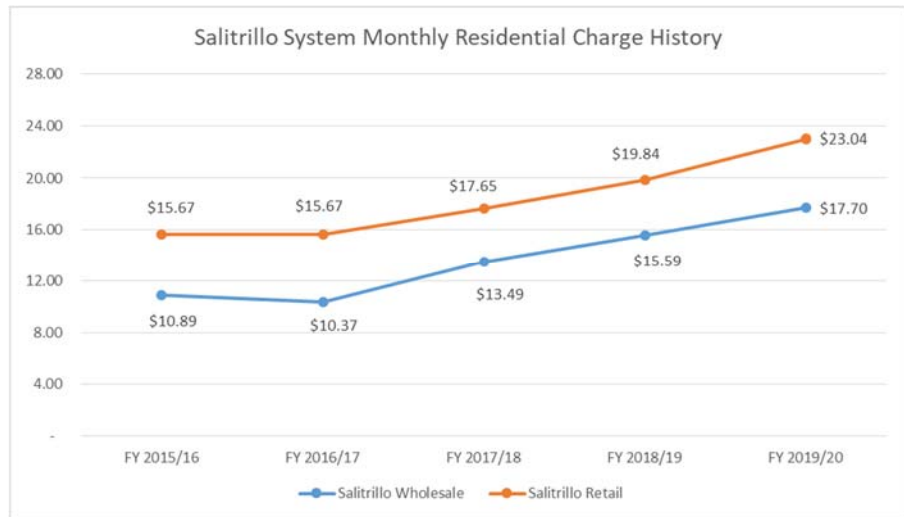
The Salitrillo Operating Fund accounts for all costs associated with operating and maintaining the Salitrillo Wastewater Treatment System which discharges into the Salitrillo Creek. This includes wholesale, retail and reuse water services. Expenditures for the plant, retail system and reuse are tracked separately to facilitate utility rate calculations.

Wholesale wastewater service is provided to the cities of Converse, Live Oak, and Universal City. Each city maintains and operates the collection systems within its city limits. The main outfall lines from the cities are maintained by Utility Department personnel. The wastewater from the cities is treated at the Salitrillo Wastewater Treatment Plant. The retail portion of the Salitrillo Wastewater System provides retail wastewater services to parts of the City of San Antonio and Bexar County.

The Salitrillo Reuse function provides reuse water and delivery services to Universal City as well as Alamo Community Colleges – Northeast Lakeview campus. These services are provided through contractual agreements. The reuse water is obtained from the Salitrillo Wastewater Treatment System which discharges into the Salitrillo Creek. The areas served are located in Bexar County. The Salitrillo water reuse function is also managed by Utility Department staff.

### Fiscal Analysis

The River Authority staff has been collaboratively working to ensure the continued success and service of the wastewater utility enterprise. For FY 2019/20, the rates for the Salitrillo Wholesale wastewater system results in an average monthly charge to the customer of \$17.70. For FY 2019/20, the rate consists of two components. The variable rate, which covers



operations and maintenance expenditures, remains the same at \$2.00 per 1,000 gallons. The fixed rate, which covers capital as well as renewal and replacement expenditures, is increasing from \$5.14 to \$7.65. Major capital investments, driven either by aging infrastructure or plant expansions, have been identified in the Adopted Budget for the Salitrillo Wastewater System. Adjustments to the rates, approved by the Board of Directors through ordinances, are incorporated in the budgeted revenues for the wastewater systems to help fund the rolling five year average of expected capital projects. The \$2.5 million transfer to the Salitrillo Wastewater Construction and Improvements Fund helps fund these projects. The following tables show the three year rate forecast and new resources for the Salitrillo Wastewater System.

**Salitrillo Wholesale Wastewater Rate Forecast**

Winter Average (constant variable) 5,000

**FY20 PROPOSED RATE**

	FY19	FY20	FY21	FY22
<b>Proposed Rate</b>				
fixed	5.14	7.65	10.50	15.00
variable rate	2.00	2.00	2.00	2.00
<b>Estimated Monthly Charge</b>				
fixed	5.14	7.65	10.50	15.00
variable charge	10.00	10.00	10.00	10.00
<b>Total Estimated Charge</b>	<b>\$15.14</b>	<b>\$17.65</b>	<b>\$20.50</b>	<b>\$25.00</b>
Annual % Change	-	16.57%	16.15%	21.97%
Monthly \$ Change	-	\$ 2.51	\$ 2.85	\$ 4.50

**New Resources for FY 2019/20**

Description	Business Justification/Benefit to SARA and/or Stakeholders	Amount
<b>Salitrillo Wastewater Operations</b>		
RAS Pumps	Replacement of three pumps installed in 1997 with continuous clogging issues.	22,500
Roll Off Truck	Replacement of 2005 model (0504) 81,768 and in poor condition. Staff plans to upgrade to heavier duty model.	135,000
Tractor Tanker	Replacement of 2007 model (0007) 216,469 miles. Recently there have been multiple transmission problems with this vehicle.	112,000
SCADA	Various improvements to SCADA system.	25,000
Computer Replacement	Annual computer refresh.	4,000
<b>Total - Salitrillo Wastewater Operations</b>		<b>298,500</b>

**San Antonio River Authority  
Salitrillo Operating Fund  
Fiscal Year Ending June 30, 2020**

**Fund: 71**

<b>Available Funds</b>	<b>FY 2017/18 Actual</b>	<b>FY 2018/19 Amended Budget</b>	<b>FY 2018/19 Estimate</b>	<b>FY 2019/20 Budget</b>
<b>Beginning Balance</b>				
Unrestricted Balance	\$ 1,007,463	\$ 1,259,150	\$ 1,259,639	\$ 1,499,696
Total Beginning Balance	\$ 1,007,463	\$ 1,259,150	\$ 1,259,639	\$ 1,499,696
<b>Revenue</b>				
Investment Earnings	\$ 12,680	\$ 10,000	\$ 17,420	\$ 15,000
Intergovernmental Revenue	556,762	563,180	563,180	566,552
Charges for Services	3,872,549	4,526,115	4,524,209	5,271,116
Total Revenue	\$ 4,441,991	\$ 5,099,295	\$ 5,104,808	\$ 5,852,668
<b>TOTAL AVAILABLE FUNDS</b>	<b>\$ 5,449,454</b>	<b>\$ 6,358,445</b>	<b>\$ 6,364,447</b>	<b>\$ 7,352,364</b>
<b>APPROPRIATIONS</b>				
Personnel Expenditures	\$ 1,236,685	\$ 1,235,039	\$ 1,089,542	\$ 1,256,057
Operating Expenditures	1,260,626	1,113,983	1,025,088	962,501
Capital Outlay	431,290	295,400	109,762	359,520
Transfers - Construction and Improvements	-	1,700,000	1,700,000	2,500,000
Transfers - Support Fees	813,745	483,088	483,088	614,354
Debt Service - Reuse and First Responders	450,608	457,272	457,272	460,644
Reimbursements	(3,139)	-	-	-
<b>TOTAL OPERATING APPROPRIATIONS</b>	<b>\$ 4,189,815</b>	<b>\$ 5,284,782</b>	<b>\$ 4,864,751</b>	<b>\$ 6,153,076</b>
Debt Service Reserve - Reuse and First Responders	189,195	227,000	227,000	227,000
Operating Reserve	1,070,444	617,859	1,067,696	556,288
Repair and Replacement Reserve	-	228,804	205,000	416,000
<b>TOTAL APPROPRIATIONS</b>	<b>\$ 5,449,454</b>	<b>\$ 6,358,445</b>	<b>\$ 6,364,447</b>	<b>\$ 7,352,364</b>

## Randolph Air Force Base Operating Fund (73)

### Fiscal Year Ending June 30, 2020

The Randolph Air Force Base (RAFB) Operating System Fund accounts for expenditures related to the San Antonio River Authority's responsibilities for the RAFB wastewater collection system which provides service to customers of the RAFB installation adjacent to Universal City in Bexar County. The Utility Department operates and maintains the River Authority owned collection system in the RAFB installation as well as completing projects annually that improve the system. The River Authority provides these services under a long term contract which includes services such as updating maps and plans that reflect the results of annual improvements. The River Authority provides these services under a long term contract with RAFB. A separate fund accounts for the capital improvement projects completed annually.

Available Funds	FY 2017/18 Actual	FY 2018/19 Amended Budget	FY 2018/19 Estimate	FY 2019/20 Budget
<b>Beginning Balance</b>				
Unrestricted Balance	\$ 126,547	\$ 238,200	\$ 221,860	\$ 317,836
Total Beginning Balance	\$ 126,547	\$ 238,200	\$ 221,860	\$ 317,836
<b>Revenue</b>				
Intergovernmental Revenue	\$ 371,115	\$ 349,000	\$ 353,303	\$ 360,900
Total Revenue	\$ 371,115	\$ 349,000	\$ 353,303	\$ 360,900
<b>TOTAL AVAILABLE FUNDS</b>	<b>\$ 497,662</b>	<b>\$ 587,200</b>	<b>\$ 575,163</b>	<b>\$ 678,736</b>
<b>APPROPRIATIONS</b>				
Personnel Expenditures	\$ -	\$ -	\$ -	\$ -
Operating Expenditures	275,802	260,100	257,327	326,100
Transfers	-	-	-	-
<b>TOTAL OPERATING APPROPRIATIONS</b>	<b>\$ 275,802</b>	<b>\$ 260,100</b>	<b>\$ 257,327</b>	<b>\$ 326,100</b>
Unrestricted Balance	221,860	327,100	317,836	352,636
<b>TOTAL APPROPRIATIONS</b>	<b>\$ 497,662</b>	<b>\$ 587,200</b>	<b>\$ 575,163</b>	<b>\$ 678,736</b>

## Utility Funds Debt Service

The River Authority has issued debt to fund needed capital improvement projects including wastewater treatment plant and collection system improvements. In addition, the River Authority has also issued debt on behalf of partner agencies to fund improvements to their wastewater and reuse systems that benefit the San Antonio watershed. In FY 2017/18, the River Authority issued \$9.5 million in revenue bonds supported by the San Antonio River Authority Wastewater System. This debt funded construction of the new Martinez IV Wastewater Treatment Plant and collection line which began operations in April 2019. In FY 2019/20, the River Authority will begin the process to issue debt to fund the Salitrillo Wastewater Treatment Plant Expansion and Improvements Project. The wastewater utility systems' rates are set to provide sufficient funding for the annual debt service requirements. Therefore, the existing debt does not negatively impact any of the River Authority's current operations.

The River Authority has no legal debt limits. However, the enabling statute of the River Authority prohibits the River Authority from pledging any ad valorem tax revenue to a debt issuance. The outstanding debt for the River Authority is currently paid from: wastewater systems revenues (generated from user fees); other outside agencies through contract (Alamo College District and Universal City); and surplus utility revenue that are not from ad valorem taxes.

The FY 2019/20 Budget for the Debt Service fund includes the full principal and interest payments on the outstanding debt other than that supported by the wastewater utility. The principal and interest costs for that debt are budgeted and paid in the San Antonio River Authority Wastewater System Operating Fund. The debt service for the contracted debt for the reuse system is funded through the Salitrillo Operating Fund. The River Authority's total debt service for FY 2019/20 decreases slightly in comparison to FY 2018/19.

Detailed Debt Service Schedules are available on the River Authority website at <https://www.sara-tx.org/transparency/debt-obligations>

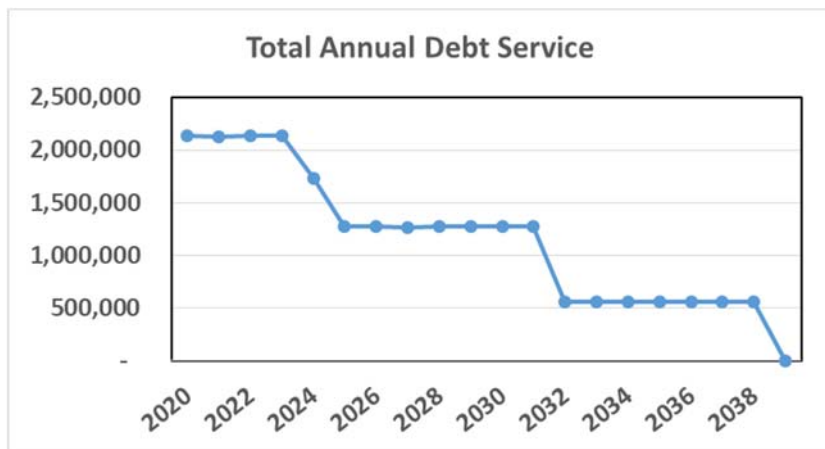


## San Antonio River Authority Currently Outstanding Debt

Description	Original Issue Amount	Outstanding Principal	Interest Rate	Issue and Maturity Date	Purpose
<b><u>Wastewater System Revenue Bonds</u></b>					
Utility System Revenue Refunding Bonds - Series 2013	\$ 3,120,000	\$ 1,495,000	3.00%	September 2013 to July 2022	Refund outstanding Sewage System Revenue Refunding and Improvement Bonds, Series 2003
Utility System Revenue Refunding Bonds - - Series 2017A	\$ 6,855,000	\$ 6,830,000	4.00%	July 2018 to June 2031	Refund outstanding Wastewater System Revenue Bonds, Series 2010
<b><u>Contract Revenue Bonds</u></b>					
Wastewater System Contract Revenue Bonds - Series 2010 - Alamo Community College District First Responders	\$ 981,960	\$ 805,000	4.56%	December 2010 to June 2031	Construction of a wastewater treatment plant for the Alamo Community College District's (ACCD) First Responders Wastewater Project
Wastewater System Contract Revenue Bonds - Series 2010 - Universal City Reuse Project	\$ 2,651,880	\$ 1,715,000	4.56%	December 2010 to June 2031	Construction of capital improvements to transport treated wastewater for Universal City
Wastewater System Contract Revenue Bonds - Series 2010 - Alamo Community College District Reuse Project	\$ 3,228,120	\$ 2,400,000	4.56%	December 2010 to June 2031	Construction of capital improvements to transport treated wastewater - known as the ACCD Effluent Transportation Project
<b><u>Other Debt</u></b>					
Wastewater System Revenue Improvement Bonds - Series 2017 - Texas Water Development Board	\$ 9,500,000	\$ 9,080,000	0.21%	July 2018 to June 2038	Grant/Loan from TWDB for construction of system improvements
<b>Total</b>	<b>\$ 26,336,960</b>	<b>\$ 22,325,000</b>			

## SAN ANTONIO RIVER AUTHORITY TOTAL ANNUAL DEBT SERVICE REQUIREMENTS

Fiscal Year Ending June 30	Utility Bonds
2020	2,131,033
2021	2,125,449
2022	2,136,671
2023	2,134,530
2024	1,735,737
2025	1,270,337
2026	1,272,439
2027	1,269,194
2028	1,274,542
2029	1,273,293
2030	1,270,596
2031	1,271,538
2032	557,884
2033	559,505
2034	560,655
2035	561,322
2036	561,598
2037	561,475
2038	560,945
2039	-
<b>Total</b>	<b>\$ 23,088,743</b>



# **Special Revenue and Other Funds**



**Photo by Oscar Gonzalez  
2019 River Clicks Photo Contest  
Judge's Best Category Winner - Bexar County**

## Special Revenue and Other Funds

### **Overview**

This section consists of the River Authority's eight Special Revenue Funds as well as the Debt Service and Insurance Funds. It is intended to give the reader high level information about each funding source and the activity funded. Any grant awarded to the River Authority is captured in the Grants Fund, which is included in this section.

### ***Special Revenue Funds***

The River Authority currently has eight special revenue funds that support various activities including nine projects. By utilizing these funds the River Authority is able to strategically invest in projects through dedicated revenue streams.

Included in the FY2019/20 Special Revenue Funds Adopted Budget is an additional \$545,500 grant from the Texas Commission on Environmental Quality (TCEQ) for the Clean Rivers Program and a \$500,000 grant from the Texas Parks and Wildlife (TPWD) for the Escondido Creek Parkway Project. Also, the Mid/Lower Cibolo Creek Watershed Protection Plan has received additional funding for monitoring from the Texas A&M Agrilife Extension Service.

### ***Other Funds***

The FY 2019/20 Budget for the Debt Service fund includes the full principal and interest payments on the outstanding debt other than that supported by the wastewater utility. The River Authority's total debt service for FY 2019/20 decreases slightly in comparison to FY 2018/19 primarily due to the Channel Improvement Revenue Refunding that decreased interest rates.

Detailed Debt Service Schedules are available on the River Authority website at <https://www.sara-tx.org/transparency/debt-obligations>

The FY 2019/20 Adjusted Budget for the Insurance Fund pays all administrative, premiums, claims and stop/loss insurance costs as well as some costs associated with the River Authority's wellness program. The FY 2019/20 Adopted Budget decreases in comparison to the FY 2018/19 estimates due to actual activity analysis. The FY 2019/20 Adopted Budget incorporates a net increase in claims costs over prior year actuals of five percent to acknowledge industry trends. The medical service industry's costs for services are projected to increase, on average ten percent. However, the River Authority will continue to monitor/update plan design and/or employee premium changes in plan year 2020 to help minimize the cost of claims and maintain a healthy fund balance.

## Projects

The FY 2019/20 Adopted Project Budget can be found on the individual fund pages. For more detailed project information refer to the individual project pages.

Project	Fund Page #	Project Page #
Clean Rivers Program	122	178
Cooperating Technical Partners (CTP) Upper San Antonio River FY2016, Lower San Antonio River, Medina FY2017, Cibolo Creek and Mid-Cibolo Creek	122	190, 186, 180, 184, 188
Escondido Creek Parkway	122	258
FEMA LOMR Grants (Cooperating Technical Partners (CTP) Development	122	182
Green Stormwater Infrastructure Master Plan: Upper SAR Watershed	122	196
John Helton SA River Nature Park	123	262
Kenedy Operations Center	123	264
Mid/Lower Cibolo Creek Watershed Protection Plan	122	204
Nature Park Signage Development	123	266
River Road Stream Restoration	122, 125	244
San Pedro Creek Culture Park	125	270
WSC Linear Creek Trails and Elmendorf Lake Park	122	274

**Edwards Water Acquisition/Regional Water Resources Development  
Group Fund (31)  
Fiscal Year Ending June 30, 2020**

The Regional Water Resources Development Group works to collectively purchase Edwards Aquifer water for the area. Revenue comes from water lease and purchase payments from entities that are using the water rights. Additional operating revenue comes from an administrative fee, which is a percentage of the water lease or purchase amount, along with an annual participation fee. Expenditures relate to water rights acquisition and administrative services provided by San Antonio River Authority staff as well as some outside resources that work to together to manage the water rights program.

Available Funds	FY 2017/18 Actual	FY 2018/19 Amended Budget	FY 2018/19 Estimate	FY 2019/20 Budget
<b>Beginning Balance</b>				
Unrestricted Balance	\$ 90,202	\$ 98,949	\$ 103,610	\$ 111,445
<i>Total Beginning Balance</i>	\$ 90,202	\$ 98,949	\$ 103,610	\$ 111,445
<b>Revenue</b>				
Investment Earnings	\$ -	\$ -	\$ -	\$ -
Intergovernmental Revenue	282,559	275,500	274,893	275,500
Charges For Services	800	1,100	-	1,100
<i>Total Revenue</i>	\$ 283,359	\$ 276,600	\$ 274,893	\$ 276,600
<b>TOTAL AVAILABLE FUNDS</b>	<b>\$ 373,561</b>	<b>\$ 375,549</b>	<b>\$ 378,503</b>	<b>\$ 388,045</b>
<b>APPROPRIATIONS</b>				
Operating Expenditures	\$ -	\$ -	\$ -	\$ -
Administrative Expenses	269,951	4,000	5,526	6,000
Lease and Purchase Agreements	-	371,549	261,532	382,045
<b>TOTAL OPERATING APPROPRIATIONS</b>	<b>\$ 269,951</b>	<b>\$ 375,549</b>	<b>\$ 267,058</b>	<b>\$ 388,045</b>
Unrestricted Balance	103,610	-	111,445	-
<b>TOTAL APPROPRIATIONS</b>	<b>\$ 373,561</b>	<b>\$ 375,549</b>	<b>\$ 378,503</b>	<b>\$ 388,045</b>

## Grants Fund (36)

### Fiscal Year Ending June 30, 2020

The San Antonio River Authority continually looks for grant opportunities that can provide funding for needed programs, projects and efforts that help further the mission of the River Authority. The River Authority has received local, state and federal grant funding from various sources including the Federal Emergency Management Agency (FEMA), the National Resource Conservation Service, the Clean Rivers Program (Texas Commission on Environmental Quality), Bexar County, and other agencies.

Available Funds	FY2017/18 Actual	FY 2018/19 Amended Budget	FY 2018/19 Activity As of 03/31/2019	Remaining Available Funds
<b>Beginning Balance</b>				
Unrestricted Balance	\$ 105,543	\$ 73,536	\$ 3,599	\$ 44,848
<i>Total Beginning Balance</i>	<i>\$ 105,543</i>	<i>\$ 73,536</i>	<i>\$ 3,599</i>	<i>\$ 44,848</i>
<b>Revenue</b>				
Intergovernmental Revenue	\$ 243,976	\$ 3,101,458	\$ 188,479	\$ 3,864,322
Federal Grant Revenue	930,762	4,751,936	430,524	1,975,396
Miscellaneous	-	-	-	-
<i>Total Revenue</i>	<i>1,174,738</i>	<i>7,853,394</i>	<i>619,003</i>	<i>5,839,718</i>
<b>TOTAL AVAILABLE FUNDS</b>	<b>\$ 1,280,281</b>	<b>\$ 7,926,930</b>	<b>\$ 622,602</b>	<b>\$ 5,884,566</b>
<b>APPROPRIATIONS</b>				
AACOG	\$ -	\$ 15,000	\$ -	\$ 15,000
Binz Engleman, Martinez Creek and Escondido Creek Dam Rehabilitations - TSSWCB	-	57,985	-	-
Binz Engleman, Martinez Creek and Escondido Creek Dam Rehabilitations - NRCS	429,402	2,287,356	-	-
Clean Rivers Program 2017	248,291	285,012	183,289	586,341
CTP Business Plan	12,173	44,582	9,093	-
CTP Risk Map Cibolo Creek	13,984	515,259	15,786	491,370
CTP Risk Map Mid Cibolo	-	307,194	656	306,538
CTP Risk Map Lower San Antonio River	1,319	565,820	29,105	536,000
CTP Risk Map Upper Medina River Watershed	51,636	11,497	-	-
CTP Risk Map Upper San Antonio River	100,757	-	-	-
CTP Risk Map Upper San Antonio River - Phase 2	86,713	312,357	162,978	71,150
CTP Risk Map Upper Medina River Watershed - Phase 2	3,010	204,561	64,288	139,882
Enviromental Flows Validation	24,261	-	-	-
Escondido Creek Parkway	-	-	-	500,000
FEMA Letter of Map Revision	260,623	503,310	107,368	430,456
Green Stormwater Infrastructure Master Plan: Upper SAR	-	168,534	-	168,534
Mid/Lower Cibolo Creek Watershed Protection Plan	10,450	148,463	5,191	139,295
River Road Stream Restoration	24,063	-	-	-
Stormwater Retrofit BMPs - TCEQ	10,000	-	-	-
Transportation Alternatives - WSC Alazan	-	2,500,000	-	2,500,000
<b>TOTAL PROJECT EXPENDITURES</b>	<b>\$ 1,276,682</b>	<b>\$ 7,926,930</b>	<b>\$ 577,754</b>	<b>\$ 5,884,566</b>
Unrestricted Balance	3,599	-	44,848	-
<b>TOTAL APPROPRIATIONS</b>	<b>\$ 1,280,281</b>	<b>\$ 7,926,930</b>	<b>\$ 622,602</b>	<b>\$ 5,884,566</b>

## Park Resources Development Fund (26)

### Fiscal Year Ending June 30, 2020

The Park Resources Development Fund accounts for revenues received from the sale of land, leases, license agreements and easements unless the sales contract stipulates otherwise. The funds can only be used for land acquisition and/or the development of any project included in the San Antonio River Authority's River Basin Plan for Nature Based Park Resources or subsequent regional parks and recreation plan.

Available Funds	FY2017/18 Actual	FY 2018/19 Amended Budget	FY 2018/19 Activity As of 03/31/2019	Remaining Available Funds
<b>Beginning Balance</b>				
Unrestricted Balance	\$ 385,066	\$ 184,824	\$ 195,333	\$ 207,778
<i>Total Beginning Balance</i>	\$ 385,066	\$ 184,824	\$ 195,333	\$ 207,778
<b>Revenue</b>				
Investment Earnings	\$ 2,926	\$ 3,000	\$ 2,133	\$ 3,000
Charges for Services	54,738	26,000	14,582	50,000
Miscellaneous	-	-	-	-
<i>Total Revenue</i>	\$ 57,664	\$ 29,000	\$ 16,715	\$ 53,000
<b>TOTAL AVAILABLE FUNDS</b>	<b>\$ 442,730</b>	<b>\$ 213,824</b>	<b>\$ 212,048</b>	<b>\$ 260,778</b>
<b>APPROPRIATIONS</b>				
Graytown Park on the San Antonio River	\$ 227,307	\$ -	\$ -	\$ -
Kenedy Operations Center	-	-	-	84,660
Nature Park Signage Development	20,090	43,445	4,270	3,000
John Helton SA River Nature Park	-	50,000	-	-
<b>TOTAL OPERATING APPROPRIATIONS</b>	<b>\$ 247,397</b>	<b>\$ 93,445</b>	<b>\$ 4,270</b>	<b>\$ 87,660</b>
Unrestricted Balance	195,333	120,379	207,778	173,118
<b>TOTAL APPROPRIATIONS</b>	<b>\$ 442,730</b>	<b>\$ 213,824</b>	<b>\$ 212,048</b>	<b>\$ 260,778</b>

## Regional Water Alliance Fund (32)

### Fiscal Year Ending June 30, 2020

The Regional Water Alliance Fund is used to promote and facilitate the sharing of ideas, knowledge, experience and resources of twenty-one water purveyors and regional water entities that have joined together to form the Regional Water Alliance. This group seeks out and implements collaborative solutions to effectively meet the region's diverse water needs. Revenue comes from membership dues. Expenditures mainly relate to San Antonio River Authority staff and some outside resources to support the group's activities.

Available Funds	FY 2017/18 Actual	FY 2018/19 Amended Budget	FY 2018/19 Estimate	FY 2019/20 Budget
<b>Beginning Balance</b>				
Unrestricted Balance	\$ 15,097	\$ 18,915	\$ 19,863	\$ 24,463
<i>Total Beginning Balance</i>	\$ 15,097	\$ 18,915	\$ 19,863	\$ 24,463
<b>Revenue</b>				
Investment Earnings	\$ 184	\$ 240	\$ 200	\$ 50
Intergovernmental Revenue	4,600	4,400	4,400	4,400
Sponsorships - Non Governmental	-	-	-	-
<i>Total Revenue</i>	\$ 4,784	\$ 4,640	\$ 4,600	\$ 4,450
<b>TOTAL AVAILABLE FUNDS</b>	<b>\$ 19,881</b>	<b>\$ 23,555</b>	<b>\$ 24,463</b>	<b>\$ 28,913</b>
<b>APPROPRIATIONS</b>				
Operating Expenditures	\$ 18	\$ 4,625	\$ -	\$ 3,000
<b>TOTAL OPERATING APPROPRIATIONS</b>	<b>\$ 18</b>	<b>\$ 4,625</b>	<b>\$ -</b>	<b>\$ 3,000</b>
Unrestricted Balance	19,863	18,930	24,463	25,913
<b>TOTAL APPROPRIATIONS</b>	<b>\$ 19,881</b>	<b>\$ 23,555</b>	<b>\$ 24,463</b>	<b>\$ 28,913</b>



# San Antonio Capital Improvements Project Land Sales Fund (22)

## Fiscal Year Ending June 30, 2020

The San Antonio River Authority entered into an amendatory contract with Bexar County in 1999 to work in partnership to complete needed flood control capital improvement projects. Through these projects, the River Authority received funds related to land use or disposal. The San Antonio Capital Improvements Project Land Sales Fund accounts for the revenue and authorized expenditures of these funds.

	FY2017/18 Actual	FY 2018/19 Amended Budget	FY 2018/19 Activity As of 03/31/2019	Remaining Available Funds
<b>Available Funds</b>				
<b>Beginning Balance</b>				
Unrestricted Balance	\$ 644,626	\$ 444,118	\$ 345,368	\$ 136,302
Restricted Reserve	-	-	-	3,451
<i>Total Beginning Balance</i>	<i>\$ 644,626</i>	<i>\$ 444,118</i>	<i>\$ 345,368</i>	<i>\$ 139,753</i>
<b>Revenue</b>				
Investment Earnings	\$ 4,900	\$ 3,000	\$ 2,877	\$ 3,000
Charges for Services	54,105	65,575	50,670	59,995
Sale of Fixed Assets	2,911	-	4,771	-
<i>Total Revenue</i>	<i>\$ 61,916</i>	<i>\$ 68,575</i>	<i>\$ 58,318</i>	<i>\$ 62,995</i>
<b>TOTAL AVAILABLE FUNDS</b>	<b>\$ 706,542</b>	<b>\$ 512,693</b>	<b>\$ 403,686</b>	<b>\$ 202,748</b>
<b>APPROPRIATIONS</b>				
Westside Creeks San Pedro Creek Project	\$ 355,774	\$ 227,380	\$ 47,784	\$ 73,085
River Road Stream Restoration	-	150,000	150,000	-
AAMN Demonstration Garden	5,400	69,600	66,149	3,451
<b>TOTAL OPERATING APPROPRIATIONS</b>	<b>\$ 361,174</b>	<b>\$ 446,980</b>	<b>\$ 263,933</b>	<b>\$ 76,536</b>
Unrestricted Balance	345,368	65,713	136,302	126,212
Restricted Reserve	-	-	3,451	-
<b>TOTAL APPROPRIATIONS</b>	<b>\$ 706,542</b>	<b>\$ 512,693</b>	<b>\$ 403,686</b>	<b>\$ 202,748</b>

## San Antonio River Authority Public Facilities Corporation Fund (23) Fiscal Year Ending June 30, 2020

The San Antonio River Authority Public Facilities Corporation is a nonprofit public facility corporation that acts on behalf of the River Authority. The Public Facilities Corporation has statutory authority beyond the scope of the River Authority itself. The Public Facilities Corporation worked with the River Authority to issue debt to fund the construction of a new watershed and parks operation facility – the Mission Reach Operations Center. The Public Facilities Corporation funded and owns the facility and the River Authority pays an annual lease for use of the building.

Available Funds	FY 2017/18 Actual	FY 2018/19 Amended Budget	FY 2018/19 Estimate	FY 2019/20 Budget
<b>Beginning Balance</b>				
Unrestricted Balance	\$ 17,570	\$ 17,570	\$ 17,570	\$ 17,070
<i>Total Beginning Balance</i>	\$ 17,570	\$ 17,570	\$ 17,570	\$ 17,070
<b>Revenue</b>				
Investment Earnings	\$ -	\$ -	\$ -	\$ -
Charges for Services	182,283	182,415	181,915	181,386
<i>Total Revenue</i>	\$ 182,283	\$ 182,415	\$ 181,915	\$ 181,386
<b>TOTAL AVAILABLE FUNDS</b>	<b>\$ 199,853</b>	<b>\$ 199,985</b>	<b>\$ 199,485</b>	<b>\$ 198,456</b>
<b>APPROPRIATIONS</b>				
Operating Expenditures	\$ -	\$ 12,277	\$ -	\$ 12,277
Debt Service	182,283	182,415	182,415	181,386
<b>TOTAL OPERATING APPROPRIATIONS</b>	<b>\$ 182,283</b>	<b>\$ 194,692</b>	<b>\$ 182,415</b>	<b>\$ 193,663</b>
Unrestricted Balance	17,570	5,293	17,070	4,793
<b>TOTAL APPROPRIATIONS</b>	<b>\$ 199,853</b>	<b>\$ 199,985</b>	<b>\$ 199,485</b>	<b>\$ 198,456</b>

## San Antonio River Industrial Development Authority Fund (24) Fiscal Year Ending June 30, 2020

The San Antonio River Industrial Development Authority (IDA) is a separate organization with its own corporate board. The board manages and approves funding and revenues for this organization.

Available Funds	FY 2017/18 Actual	FY 2018/19 Amended Budget	FY 2018/19 Estimate	FY 2019/20 Budget
<b>Beginning Balance</b>				
Unrestricted Balance	\$ 22,125	\$ 16,310	\$ 16,333	\$ 10,560
<i>Total Beginning Balance</i>	\$ 22,125	\$ 16,310	\$ 16,333	\$ 10,560
<b>Revenue</b>				
Investment Earnings	\$ 208	\$ 140	\$ 227	\$ 150
<i>Total Revenue</i>	\$ 208	\$ 140	\$ 227	\$ 150
<b>TOTAL AVAILABLE FUNDS</b>	<b>\$ 22,333</b>	<b>\$ 16,450</b>	<b>\$ 16,560</b>	<b>\$ 10,710</b>
<b>APPROPRIATIONS</b>				
Operating Expenditures	\$ 6,000	\$ 6,000	\$ 6,000	\$ 6,000
<b>TOTAL OPERATING APPROPRIATIONS</b>	<b>\$ 6,000</b>	<b>\$ 6,000</b>	<b>\$ 6,000</b>	<b>\$ 6,000</b>
Unrestricted Balance	16,333	10,450	10,560	4,710
<b>TOTAL APPROPRIATIONS</b>	<b>\$ 22,333</b>	<b>\$ 16,450</b>	<b>\$ 16,560</b>	<b>\$ 10,710</b>

## South Texas Regional Water Planning Group Fund (30) Fiscal Year Ending June 30, 2020

The South Texas Regional Water Planning Group Fund is an account managed by the San Antonio River Authority pursuant to the Interlocal Agreement (ILA) for Funding of Senate Bill 1 South Central Texas Regional Water Planning Group Administrative Costs. The participants include stakeholders throughout the twenty-one county South Texas Regional Water Planning Area – cities, counties, groundwater management areas, river authorities, water districts, water and electric utilities, small businesses, and agricultural, environmental and industrial interests. The participants in Region L have entered into interlocal agreements to reimburse the River Authority for its labor and direct expenses associated with administering the development of the 2021 South Central Texas Regional Water Plan. Revenues are received from the Texas Water Development Board and the participants in Region L. Funds are used for consulting services to develop the plan and general administrative costs associated with developing the five year water plan.

Available Funds	FY2017/18 Actual	FY 2018/19 Amended Budget	FY 2018/19 Activity As of 03/31/2019	Remaining Available Funds
<b>Beginning Balance</b>				
Unrestricted Balance	\$ -	\$ -	\$ 46	\$ 46
<i>Total Beginning Balance</i>	\$ -	\$ -	\$ 46	\$ 46
<b>Revenue</b>				
Investment Earnings	\$ 342	\$ 465	\$ 509	\$ 800
Intergovernmental Revenue	151,599	745,667	121,772	570,294
<i>Total Revenue</i>	\$ 151,941	\$ 746,132	\$ 122,281	\$ 571,094
<b>TOTAL AVAILABLE FUNDS</b>	<b>\$ 151,941</b>	<b>\$ 746,132</b>	<b>\$ 122,327</b>	<b>\$ 571,140</b>
<b>APPROPRIATIONS</b>				
Operating Administrative Expenditures	\$ 20,977	\$ 62,000	\$ 9,200	\$ 60,046
SCTRWPG 2021 Regional Water Planning	\$ 130,918	\$ 684,132	\$ 113,081	\$ 511,094
<b>TOTAL OPERATING APPROPRIATIONS</b>	<b>\$ 151,895</b>	<b>\$ 746,132</b>	<b>\$ 122,281</b>	<b>\$ 571,140</b>
Unrestricted Balance	46	-	46	-
<b>TOTAL APPROPRIATIONS</b>	<b>\$ 151,941</b>	<b>\$ 746,132</b>	<b>\$ 122,327</b>	<b>\$ 571,140</b>

## Debt Service Fund (02)

### Description

The San Antonio River Authority has issued debt to fund needed capital improvement projects including flood control structures as well as a facility for parks maintenance and operations staff. In addition, the San Antonio River Authority Public Facilities Corporation issued debt for the construction of a maintenance facility for the Watershed and Park Operations staff. In FY 2015/16, the River Authority issued surplus revenue bonds to fund the purchase and renovation of the Urban Reach Operations Center which houses staff that manage the Museum Reach San Antonio River improvements. The debt previously issued for flood control is supported entirely by the Bexar County flood control tax.

The River Authority has no legal debt limits. However, the enabling statute of the River Authority prohibits the River Authority from pledging any ad valorem tax revenue to a debt issuance. The outstanding debt for the River Authority is currently paid from: Bexar County flood control property tax revenue (through a contract with Bexar County) and surplus revenue – General Fund – that are not from ad valorem taxes. The General Fund, because ad valorem taxes cannot support debt service, is not impacted by existing debt obligations. Therefore, the existing debt does not negatively impact any of the River Authority’s current operations.

The amounts budgeted in this fund reflect the principal and interest payments for non-utility related outstanding debt. The tables below provide information on the purpose, use and amount of the debt. The second set of tables shows the River Authority’s total principal and interest payments for the life of the existing outstanding debt by issuance. The River Authority is expecting to issue new debt in FY 2019/20 on behalf of the General Fund to fund facility acquisitions and improvements.

**San Antonio River Authority**  
**Debt Service Fund**  
**Fiscal Year Ending June 30, 2020**

**Fund: 02**

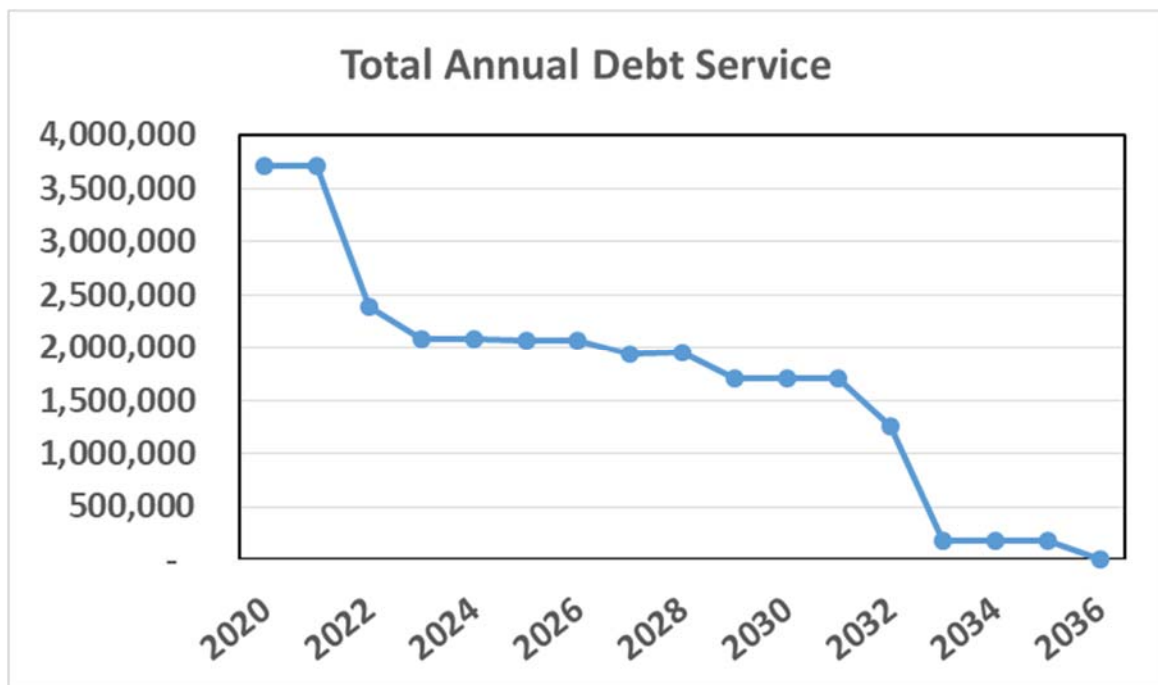
<b>Available Funds</b>	<b>FY 2017/18 Actual</b>	<b>FY 2018/19 Amended Budget</b>	<b>FY 2018/19 Estimate</b>	<b>FY 2019/20 Budget</b>
<b>Beginning Balance</b>				
Undesignated Funds	\$ 2,535,505	\$ 35,015	\$ 275,745	\$ 9,255
Debt Service Reserve - Channel Improvements	1,894,273	1,894,273	1,894,273	1,894,273
Debt Service Reserve - Revenue Bonds	-	-	-	-
<i>Total Beginning Balance</i>	<i>\$ 4,429,778</i>	<i>\$ 1,929,288</i>	<i>\$ 2,170,018</i>	<i>\$ 1,903,528</i>
<b>Revenue</b>				
Investment Earnings	\$ 31,459	\$ 20,000	\$ 14,342	\$ 15,000
Intergovernmental Revenue	3,205,758	2,949,367	2,685,876	2,937,838
Transfers - General Fund	596,184	599,557	599,557	592,974
<i>Total Revenue</i>	<i>\$ 3,833,401</i>	<i>\$ 3,568,924</i>	<i>\$ 3,299,775</i>	<i>\$ 3,545,811</i>
<b>TOTAL AVAILABLE FUNDS</b>	<b>\$ 8,263,179</b>	<b>\$ 5,498,212</b>	<b>\$ 5,469,793</b>	<b>\$ 5,449,339</b>
<b>APPROPRIATIONS</b>				
Debt Service - Channel Improvement Bonds	\$ 2,946,075	\$ 2,949,367	\$ 2,949,367	\$ 2,937,838
Debt Service - Contract Revenue	-	-	-	-
Debt Service - Texas Water Dev Board	466,196	467,099	467,099	462,552
Debt Service - Urban Reach Operations Center	129,405	132,458	132,458	130,422
Debt Service - Operation Expenses	2,551,486	25,000	17,341	20,000
<b>TOTAL OPERATING APPROPRIATIONS</b>	<b>\$ 6,093,162</b>	<b>\$ 3,573,924</b>	<b>\$ 3,566,265</b>	<b>\$ 3,550,811</b>
Unrestricted Fund Balance	275,745	30,015	9,255	4,255
Debt Service Reserve - Channel Improvements	1,894,273	1,894,273	1,894,273	1,894,273
<b>TOTAL APPROPRIATIONS</b>	<b>\$ 8,263,179</b>	<b>\$ 5,498,212</b>	<b>\$ 5,469,793</b>	<b>\$ 5,449,339</b>

## San Antonio River Authority Currently Outstanding Debt

Description	Original Issue Amount	Outstanding Principal	Interest Rate	Issue and Maturity Date	Purpose
<b><u>Channel Improvement Bonds</u></b>					
Channel Improvement Revenue Refunding Bonds - Series 2014	\$ 5,165,000	\$ 1,410,000	1.24%	February 2014 to July 2020	Refund outstanding Channel Improvement Revenue Bonds - Series 2002 and Refunding Bonds Series 2003A
Channel Improvement Revenue Refunding Bonds - Series 2015	\$ 8,265,000	\$ 4,080,000	1.90%	January 2015 to June 2028	Refund outstanding Channel Improvement Revenue Bonds - Series 2004
Channel Improvement Revenue Refunding Bonds - Series 2019	\$ 11,530,000	\$ 11,530,000	3.15%	April 2019 to June 2032	Refund outstanding Channel Improvement Revenue Bonds - Series 2007
<b><u>Other Debt</u></b>					
Wastewater System Revenue Improvement Bonds - Series 2013A - Texas Water Development Board	\$ 4,300,000	\$ 2,195,000	1.24%	October 2013 to June 2024	Grant/loan from the Texas Water Development Board for projects and studies
San Antonio River Authority Public Facility Corporation - Mission Reach Operations Center - Lease Revenue Bonds - Series 2014	\$ 3,100,000	\$ 2,466,000	2.28%	January 2014 to June 2035	Construction of the Mission Reach Operations Center facility
Surplus Revenue Bonds	\$ 1,200,000	\$ 860,000	1.77%	May 2016 to June 2026	Purchase and renovation of the Urban Reach Operations Center
<b>Total</b>	<b>\$ 33,560,000</b>	<b>\$ 22,541,000</b>			

## SAN ANTONIO RIVER AUTHORITY TOTAL ANNUAL DEBT SERVICE REQUIREMENTS

Fiscal Year Ending June 30	Channel Improvement Bonds	Public Facilities Corporation Bonds	General Improvement Revenue Bonds	Contract Revenue Bonds	Annual Total
2020	2,937,438	181,386	130,222	457,644	3,706,690
2021	2,936,031	181,137	133,187	455,332	3,705,687
2022	1,612,425	180,229	131,063	457,564	2,381,281
2023	1,315,841	180,713	133,939	454,112	2,084,605
2024	1,316,178	179,663	131,726	455,204	2,082,771
2025	1,310,679	181,579	129,514	450,612	2,072,384
2026	1,309,345	181,664	132,301	445,564	2,068,874
2027	1,312,050	181,690	-	450,060	1,943,800
2028	1,313,715	181,658	-	453,644	1,949,017
2029	1,071,668	181,567	-	451,316	1,704,551
2030	1,070,955	181,418	-	448,304	1,700,677
2031	1,069,298	181,210	-	449,608	1,700,116
2032	1,071,616	180,944	-	-	1,252,560
2033	-	181,609	-	-	181,609
2034	-	181,207	-	-	181,207
2035	-	180,745	-	-	180,745
2036	-	-	-	-	-
<b>Total</b>	<b>\$ 19,647,239</b>	<b>\$ 2,898,419</b>	<b>\$ 921,952</b>	<b>\$ 5,428,964</b>	<b>\$ 28,896,574</b>





## **Insurance Fund (90)**

### **Description**

The San Antonio River Authority provides medical, dental, vision and other “cafeteria plan” benefits to its employees. The medical benefits program is managed through a self-insurance program. For the self-insurance program, the River Authority pays a “per employee per month” premium into the Insurance Fund. Employees also pay insurance premiums for themselves and their dependents. The fund then uses that revenue to pay actual claims costs, administrative expenses and stop/loss insurance premiums. Stop/loss provides the River Authority with outside insurance for large claims. Once a claim reaches the stop/loss level, currently \$50,000, the River Authority’s Insurance Fund no longer pays the claim costs; the stop/loss insurer pays the additional claim costs. This has proven to be a cost-effective means for the River Authority to control medical insurance expenses.

In plan year 2016, the River Authority moved to an outside insurer for dental and vision insurance as this was the most cost effective way to continue to provide quality benefits to employees. The cost of this coverage shifted from claims costs to administrative and premium costs.

The Insurance Fund also helps pay the cost of the River Authority’s wellness program which is designed to further promote employees’ health and well-being. The program has various components that encourage employees to monitor their health and to develop a more active lifestyle.

**San Antonio River Authority  
Insurance Fund  
Fiscal Year Ending June 30, 2020**

**Fund: 90**

	<b>FY 2017/18</b>	<b>FY 2018/19</b>	<b>FY 2018/19</b>	<b>FY 2019/20</b>
<b>Available Funds</b>	<b>Actual</b>	<b>Amended Budget</b>	<b>Estimate</b>	<b>Budget</b>
<b>Beginning Balance</b>				
Unrestricted Balance	\$ 1,489,032	\$ 1,030,556	\$ 1,538,543	\$ 1,663,074
<i>Total Beginning Balance</i>	\$ 1,489,032	\$ 1,030,556	\$ 1,538,543	\$ 1,663,074
<b>Revenue</b>				
Investment Earnings	\$ 29,403	\$ 12,000	\$ 25,970	\$ 18,000
Miscellaneous	1,511	2,000	20,169	20,000
Premiums	3,318,928	4,158,354	3,170,188	3,103,613
Transfers	-	-	-	-
<i>Total Revenue</i>	\$ 3,349,842	\$ 4,172,354	\$ 3,216,327	\$ 3,141,613
<b>TOTAL AVAILABLE FUNDS</b>	<b>\$ 4,838,874</b>	<b>\$ 5,202,910</b>	<b>\$ 4,754,870</b>	<b>\$ 4,804,687</b>
<b>APPROPRIATIONS</b>				
Operating Expenditures	\$ 3,300,331	\$ 3,949,792	\$ 3,091,796	\$ 3,103,544
<b>TOTAL OPERATING APPROPRIATIC</b>	<b>\$ 3,300,331</b>	<b>\$ 3,949,792</b>	<b>\$ 3,091,796</b>	<b>\$ 3,103,544</b>
Unrestricted Balance	\$ 1,538,543	\$ 1,253,118	\$ 1,663,074	\$ 1,701,144
<b>TOTAL APPROPRIATIONS</b>	<b>\$ 4,838,874</b>	<b>\$ 5,202,910</b>	<b>\$ 4,754,870</b>	<b>\$ 4,804,687</b>

# Capital Project Funds



**Photo by Robin Alaniz  
2019 River Clicks Photo Contest  
Judge's Best Category Winner - Goliad County**

## Capital Project Funds

### Overview

This section consists of the River Authority’s fourteen (14) capital project funds. It is intended to give the reader high level information about each funding source and the activity funded. This section includes the SARA Project Fund, Utility Construction and Improvements Funds, and partner funds including Bexar County and the City of San Antonio.

There are a total of 54 approved capital projects in the FY 2019/20 Adopted Budget, consisting of 48 existing projects and 6 new projects. The total funding amount in the Adopted Budget for FY 2019/20 is \$168,804,310 across all the Capital Project Funds which is a 24 percent increase compared to last year’s budget of \$136,261,777. The Bexar County Westside Creeks Restoration Projects fund holds the largest portion of funding with expenditures budgeted at more than \$50 million dollars for the San Pedro Creek Culture Park project. Similarly, The City of San Antonio Westside Creeks Restoration Projects fund has an expenditure budget of over \$28 million. The Salitrillo Construction and Improvement Projects fund also has a significant amount of budgeted funding totaling over \$35 million dollars mostly allocated to the Salitrillo Wastewater Treatment Plant expansion project.

The San Antonio River Authority Projects Fund has budgeted expenditures of over \$19 million which is a 22 percent increase over the FY 2018/19 Adopted Budget with a large portion of the budget dedicated to continued flood management initiatives.

### Projects

Project	Fund Page #	Project Page #
Basin Assessment Mapping and Analysis Tool	140	176
Bexar County Capital Improvement Program – Real Estate Acquisitions	143	216
Bexar Regional Watershed Management (BRWM) Stream Mitigation Bank	140	220
Broadway Underpass	148	218
Brooks City Base - Mission Reach Linkage	152	256
City of San Antonio (CoSA) Bond LID Match	140	224
Clean Rivers Program 2017 / San Antonio River Authority Stream Monitoring	140	178
Concepcion Creek Outfall Repair	148	222
Cooperating Technical Partners (CTP) Development	140	180
Digital Data and Model Repository Redevelopment (D2MR)	140	192
Edwards Aquifer Watershed Protection	140, 148	226
Escondido Creek Parkway Improvements	140, 150	258
Facilities Acquisition/Improvement Project	140	278
Feral Hog Management	140	228
Floodplain (FP) Remap – Leon, Salado, and Medina	140	194

<b>Project</b>	<b>Fund Page #</b>	<b>Project Page #</b>
Freshwater Mussel Propagation	140	230
H&H Study - Borrego to Medio	140	198
Huebner Creek	152	232
Impervious Cover Mitigation	140	234
Inflow Scenarios for San Antonio Bay Modeling 2018	140	200
John William Helton San Antonio River Nature Park	140	262
Laboratory Management Software Replacement	140	202
Lucity Implementation and Asset Management	140	280
Martinez IV Collection System CIP	170	282
Martinez IV Solar	170	284
Martinez IV Wastewater System and Phase IV Wastewater Line	170	286
Mission Reach Avian Study	140	238
Mission Reach Erosion Repairs	140, 144	240
Nature Park Signage Development	140	266
Panther Springs Creek Restoration	148	242
Predictive Flood Modeling	140	206
Randolph Air Force Base	167	290
River Road Stream Restoration	140, 145	244
River Walk Public Art Garden	148	268
Salitrillo and Martinez Sewershed Models	168, 170	292
Salitrillo Collection System Inflow and Infiltration (Retail & Wholesale)	168	294
Salitrillo WWTP Expansion and Improvements	168	296
San Antonio River Authority Wastewater Collection System Inflow and Infiltration	170	300
San Antonio River Improvements - Mission Reach	145	236
San Pedro Creek Culture Park	140, 146, 149, 152	270
Site-Scale Model Development	140	208
Trash and Floatables Mitigation	140	246
Trash and Floatables Mitigation – Olmos Creek	140	248
Tributary Modeling (Grant Match for CTP FY17 Medina Phase II (Page 180) and CTP USAR FY 2016 (Page 190))	140	210
Watershed Master Plans Integration	140	212
Watershed Wise Rebate Program	140	250
Watershed Wise River Discovery	140	272
Watershed Wise School Grant	140	252
Westside Creeks Linear Creek Trails and Elmendorf Lake Park	140, 146, 149	274

**NEW AUTHORIZED PROJECTS**

<b>Project</b>	<b>Fund Page #</b>	<b>Project Page #</b>
Espada Park	140	260
Kenedy Operations Center	140	264
Martinez IV Wastewater Treatment Plant Expansion	170	288
San Pedro Creek Operations Center	140	298
Utility Optimization Plan	168, 170	302

# SAN ANTONIO RIVER AUTHORITY PROJECT FUND



*Mission Reach, Bexar County*

## **San Antonio River Authority Project Fund (04)**

### **Description**

The River Authority conducts studies and completes projects that further the mission of the organization. The main source of funding for these studies and projects is the General Fund. Completion of these projects and studies may span more than one fiscal year. Therefore, in FY 2015/16, the San Antonio River Authority Project Fund was created to budget and manage the expenditures for these activities. This fund's project budgets are managed by project life rather than by fiscal year to recognize this issue. Funds are transferred from the General Fund to provide needed funding for the projects budgeted in this fund. Debt funding has also been used as a revenue source for building acquisition and renovation.

This fund also includes the Unrestricted Reserve established by the Board of Directors in the adopted revised fund balance policy. This reserve can be used for any purpose including acquisition of facilities, water, water rights or other activities approved by the Board.

For FY 2019/20, 39 projects and studies are included in this fund and advance four goals – Advance Science and Engineering Expertise and Data; Enable Policy, Projects, and Actions; Enhance Community Appreciation and Recreation; and Maximize Strategic Use of Resources. \$15,837,538 is allocated for all projects authorized in FY 2019/20; \$14,516,029 for existing and ongoing projects, \$1,282,166 in funding for new projects, and \$39,343 in unassigned funds.



**San Antonio River Authority**  
**SARA Projects Fund**  
**Fiscal Year Ending June 30, 2020**

**Fund: 04**

<b>APPROPRIATIONS</b>	<b>FY 2017/18 Actual</b>	<b>FY 2018/19 Amended Budget</b>	<b>FY 2018/19 Activity As of 03/31/2019</b>	<b>Remaining Available Funds</b>
<b>Beginning Balance</b>				
Unrestricted Balance (Board Reserve)	\$ 5,002,082	\$ 4,802,082	\$ 5,002,082	\$ 3,512,377
Reserve for Projects	4,768,893	6,938,848	5,272,357	10,588,738
<i>Total Beginning Balance</i>	<b>\$ 9,770,975</b>	<b>\$ 11,740,930</b>	<b>\$ 10,274,439</b>	<b>\$ 14,101,115</b>
<b>Revenue</b>				
Intergovernmental Revenue	\$ -	\$ -	\$ -	\$ -
Investment Income	-	-	-	-
Transfers - General Fund	3,145,832	4,953,705	4,953,705	5,529,160
Transfers - COSA CIP Fund	200,000	200,000	-	-
Intergovernmental Revenue	-	-	-	-
Debt Proceeds	-	-	-	-
<b>TOTAL AVAILABLE FUNDS</b>	<b>\$ 13,116,807</b>	<b>\$ 16,894,635</b>	<b>\$ 15,228,144</b>	<b>\$ 19,630,275</b>

**APPROPRIATIONS**

*Projects*

**Active Ongoing**

Basin Assessment Mapping and Analysis Tool	\$ 69,722	\$ 88,500	\$ 10,670	\$ 8,108
BRWM Stream Mitigation Bank	22,287	117,672	37,105	75,857
Clean Rivers Program 2017/SARA Stream Monitoring	22,736	13,124	-	5,264
Cooperating Technical Partners (CTP) Development	41,077	60,190	17,039	2,074
CoSA Bond LID Match	-	-	-	335,000
Digital Data and Model Repository Redevelopment	-	175,000	58,091	116,909
Edwards Aquifer Watershed Protection	1,087	12,000	-	13,001
Escondido Creek Parkway	20,076	3,019,090	13,176	3,004,529
Facilities Acquisition/Improvements Project	194,294	1,747,594	70,424	1,099,325
Feral Hog Management	75,141	8,222	-	8,221
Floodplain Remapping (2018)	-	2,200,388	31,992	3,168,397
Freshwater Mussel Propagation	-	82,655	-	173,453
H&H Study - Borrego to Medio	-	50,000	-	50,000
Impervious Cover Mitigation	10,909	710,713	125,271	721,880
Inflow Scenarios for San Antonio Bay Modeling (2018)	-	125,000	7,731	117,269
John Helton SA River Nature Park	105,077	123,484	77,303	20,000
Laboratory Management Software Replacement	65,275	158,175	-	145,017
Mission Reach Avian Study	53,800	71,352	27,000	24,072
Mission Reach Erosion Repairs	72,998	549,603	82,318	437,346
Nature Park Signage Development	349	15,001	-	-
Network File/Folder Re-Structure	-	-	-	-
Predictive Flood Modeling	-	500,000	-	1,850,000
River Road Stream Restoration	43,529	335,802	111,000	420,490
Site-Scale Model Development	-	84,538	-	335,462
Trash and Floatables Mitigation	12,600	47,695	-	47,695
Trash and Floatables Mitigation - Olmos Creek	-	141,740	26,576	345,164
Tributary Modeling	190,023	358,564	86,116	159,854
Water Quality Data Analytics	15,350	5,201	-	5,201
Watershed Master Plans Integration	19,580	127,890	7,545	112,875
Watershed Wise River Discovery	15,818	186,681	5,842	158,340
Watershed Wise Rebate Program	347,302	1,416,586	179,106	1,508,288
Watershed Wise School Grant	50,174	16,252	-	5,252
Westside Creeks - Linear Creek Trails and Elmendorf Park	29,308	59,024	4,006	41,686
Westside Creeks - San Pedro Creek	-	-	-	-
<b>New Authorized Projects</b>				
Espada Park	-	-	-	150,000
Kenedy Operations Center	-	-	-	65,340
Lucy Implementation and Asset Management	-	-	-	100,000
San Pedro Creek Operations Center	439,840	-	28,931	966,826

**San Antonio River Authority**  
**SARA Projects Fund**  
**Fiscal Year Ending June 30, 2020**

**Fund: 04**

<b>APPROPRIATIONS</b>	<b>FY 2017/18 Actual</b>	<b>FY 2018/19 Amended Budget</b>	<b>FY 2018/19 Activity As of 03/31/2019</b>	<b>Remaining Available Funds</b>
<b>Beginning Balance</b>				
Unrestricted Balance (Board Reserve)	\$ 5,002,082	\$ 4,802,082	\$ 5,002,082	\$ 3,512,377
Reserve for Projects	4,768,893	6,938,848	5,272,357	10,588,738
<b>Total Beginning Balance</b>	<b>\$ 9,770,975</b>	<b>\$ 11,740,930</b>	<b>\$ 10,274,439</b>	<b>\$ 14,101,115</b>
<b>Revenue</b>				
Intergovernmental Revenue	\$ -	\$ -	\$ -	\$ -
Investment Income	-	-	-	-
Transfers - General Fund	3,145,832	4,953,705	4,953,705	5,529,160
Transfers - COSA CIP Fund	200,000	200,000	-	-
Intergovernmental Revenue	-	-	-	-
Debt Proceeds	-	-	-	-
<b>TOTAL AVAILABLE FUNDS</b>	<b>\$ 13,116,807</b>	<b>\$ 16,894,635</b>	<b>\$ 15,228,144</b>	<b>\$ 19,630,275</b>

**APPROPRIATIONS**

<b>Closed Projects</b>				
Automated Stormwater Project	-	(2,280)	-	-
Bacterial Source Tracking	-	-	-	-
Bexar County LiDAR Collection	35,321	35,371	-	-
Cibolo Creek Watershed Master Plan	283,431	305,305	41,709	-
Clean Rivers Program 2015 Grant	20,000	-	-	-
Dam Operations Center	-	33	-	-
Downstream Flood Inundation Library	81,926	4,371	-	-
Environmental Monitoring	911	-	-	-
FloodWorks Website Enhancement	10,700	-	-	-
Graytown Park (Previously County Road (CR) 125)	21,127	5,597	-	-
Guenther/Euclid Stormwater Retrofit	7,559	17,199	6,275	-
Holistic Freshwater Mussels	1,675	-	-	-
ICM System Pilot	-	-	-	-
Mann's Crossing Park on the Medina River	-	-	-	-
Museum Reach Electrical Infrastructure Upgrade	-	-	-	-
Olmos Creek Aquatic Ecosystem Restoration	-	-	-	-
Resource Conservation Partnership Program	99,911	136,993	37,495	-
San Antonio Bay EDYS Model Development	133,312	133,342	-	-
Stormwater Training and Tools	31,291	24,710	18,831	-
Trueheart Park	43,442	31,558	1,728	-
Urban Reach E coli Monitoring	-	-	-	-
Urban Reach Operations Center	42,522	15,500	-	-
USGS Baseline Study of Oil and Gas Production	-	-	-	-
Constituents Phase II Project	49,900	41,250	13,750	-
USGS Huisache Brush Management	-	-	-	-
USGS LSAR Groundwater/Surface Water Modeling	6,000	-	-	-
USGS Westside Creeks Sediment Study	-	204	-	-
UTSA Sediment Source Mobility	54,988	-	-	-
<b>Transfer</b>	-	-	-	-
<b>Unassigned Funds</b>	-	-	-	39,343

<b>Total Project Expenditures</b>	<b>\$ 2,842,368</b>	<b>\$ 13,356,889</b>	<b>\$ 1,127,029</b>	<b>\$ 15,837,538</b>
Unrestricted Balance (Board Reserve)	5,002,082	3,512,377	3,512,377	3,792,737
Reserved for Projects	5,272,357	25,369	10,588,738	-
<b>TOTAL APPROPRIATIONS</b>	<b>\$ 13,116,807</b>	<b>\$ 16,894,635</b>	<b>\$ 15,228,144</b>	<b>\$ 19,630,275</b>

# **EXTERNALLY FUNDED CAPITAL IMPROVEMENT PROJECT FUNDS**



*San Pedro Creek Culture Park, Bexar County*

## Bexar County Capital Improvement Projects Fund (13)

### Fiscal Year Ending June 30, 2020

The Bexar County Capital Improvement Projects Fund accounts for the budget and expenses related to the Bexar County Capital Improvement Program. Through an agreement with Bexar County, the River Authority acquires land rights, i.e. easements and fee simple ownership, for Bexar County Flood Control Infrastructure Services for construction of low water crossings, natural waterway conveyances, bridges, drainage channels, and regional stormwater facilities. Bexar County reimburses the River Authority for all expenses related to these projects.

APPROPRIATIONS	FY 2017/18 Actual	FY 2018/19 Amended Budget	FY 2018/19 Activity As of 03/31/2019	Remaining Available Funds
<b>Beginning Balance</b>				
Unrestricted Balance	\$ -	\$ -	\$ -	\$ -
<i>Total Beginning Balance</i>	\$ -	\$ -	\$ -	\$ -
<b>Revenue</b>				
Intergovernmental Revenue	\$ 10,104	\$ 658,727	\$ 1,217	\$ 202,181
Investment Income		-	-	-
<i>Total Revenue</i>	<i>10,104</i>	<i>658,727</i>	<i>1,217</i>	<i>202,181</i>
<b>TOTAL AVAILABLE FUNDS</b>	<b>\$ 10,104</b>	<b>\$ 658,727</b>	<b>\$ 1,217</b>	<b>\$ 202,181</b>
<b>APPROPRIATIONS</b>				
<i>Projects</i>				
BCCIP - Cimarron Subdivision CB9	\$ -	\$ 51,361	\$ -	\$ 51,361
BCCIP - Elm Ck @ Pearsall MR11	4,093	4,252	954	2,562
BCCIP - Espada Road	-	-	-	-
BCCIP - French Creek LC23	1,216	22,037	-	22,037
BCCIP - Huebner Creek LC17	-	10,114	-	10,114
BCCIP - Kirkner Road SA46	2,630	13,197	263	12,610
BCCIP - Medio Ck Sunset MR32	-	-	-	-
BCCIP - North Talley Road MR10	-	48,904	-	48,904
BCCIP - Pecan Creek/Toutant Beauregard LC	-	79,975	-	39,485
BCCIP - Perrin Beitel SC9	-	-	-	-
BCCIP - S. Hausman @ French Ck LC5	1,175	1,098	-	1,098
BCCIP - Six Mile Creek SA43	-	108,209	-	-
BCCIP - Woodlawn at 36th Street SA55	990	319,580	-	14,010
<b>Total Project Expenditures</b>	<b>\$ 10,104</b>	<b>\$ 658,727</b>	<b>\$ 1,217</b>	<b>\$ 202,181</b>
Reserved for Projects	-	-	-	-
<b>TOTAL APPROPRIATIONS</b>	<b>\$ 10,104</b>	<b>\$ 658,727</b>	<b>\$ 1,217</b>	<b>\$ 202,181</b>

## Bexar County Capital Projects Fund (59) Fiscal Year Ending June 30, 2020

The River Authority works with Bexar County to complete capital improvement projects that address flood control. This Bexar County Capital Projects Fund is used to account for budgets and expenditures for these projects funded by Bexar County. Bexar County reimburses the River Authority for expenses incurred.

APPROPRIATIONS	FY 2017/18 Actual	FY 2018/19 Amended Budget	FY 2018/19 Activity As of 03/31/2019	Remaining Available Funds
<b>Beginning Balance</b>				
Undesignated Funds	\$ 22,195	\$ 22,195	\$ 14,408	\$ 22,194
<i>Total Beginning Balance</i>	\$ 21,126	\$ 22,195	\$ 14,408	\$ 22,194
<b>Revenue</b>				
Investment Income	\$ -	\$ -	\$ -	\$ -
Intergovernmental Revenue	717,053	1,486,675	305,058	-
Miscellaneous	-	-	-	-
<i>Total Revenue</i>	717,053	1,486,675	305,058	-
<b>TOTAL AVAILABLE FUNDS</b>	<b>\$ 738,179</b>	<b>\$ 1,508,870</b>	<b>\$ 319,466</b>	<b>\$ 22,194</b>
<b>APPROPRIATIONS</b>				
<i>Projects</i>				
Parita Creek Dam Rehabilitation (previously Calaveras 10)	\$ 102	\$ -	\$ -	\$ -
Binz Engleman, Martinez, Escondido Dam Rehabilitations (previously Martinez 1, 2, 3)	432,882	989,175	33,272	-
Mission Reach Erosion	290,787	497,500	264,000	-
Stone Oak Park Dam Spillway Repair (previously Salado 8)	-	-	-	-
<b>Total Project Expenditures</b>	<b>\$ 723,771</b>	<b>\$ 1,486,675</b>	<b>\$ 297,272</b>	<b>\$ -</b>
Reserved for Projects	14,408	22,195	22,194	22,194
<b>TOTAL APPROPRIATIONS</b>	<b>\$ 738,179</b>	<b>\$ 1,508,870</b>	<b>\$ 319,466</b>	<b>\$ 22,194</b>

## Bexar County Flood Tax Fund (51)

### Fiscal Year Ending June 30, 2020

The River Authority works with the City of San Antonio, Bexar County and the U.S. Army Corp of Engineers to complete capital improvement projects that address flood control, water quality and recreational opportunities. This Bexar County Flood Tax Fund is used to account for budgets and expenditures for flood control components of these projects funded by Bexar County. The County reimburses the River Authority for all expenses incurred.

APPROPRIATIONS	FY 2017/18 Actual	FY 2018/19 Amended Budget	FY 2018/19 Activity As of 03/31/2019	Remaining Available Funds
<b>Beginning Balance</b>				
Unrestricted Balance	\$ 11,770	\$ 118,345	\$ 118,678	\$ 140,331
<i>Total Beginning Balance</i>	\$ 11,770	\$ 118,345	\$ 118,678	\$ 140,331
<b>Revenue</b>				
Investment Income	\$ 5,614	\$ 3,000	\$ 19,978	\$ 20,000
Intergovernmental Revenue	10,118,369	19,860,605	19,114,985	699,825
Transfers	-	-	-	-
<i>Total Revenue</i>	10,123,983	19,863,605	19,134,963	719,825
<b>TOTAL AVAILABLE FUNDS</b>	<b>\$ 10,135,753</b>	<b>\$ 19,981,950</b>	<b>\$ 19,253,641</b>	<b>\$ 860,156</b>
<b>APPROPRIATIONS</b>				
<i>Projects</i>				
Museum Reach - Park Segment	\$ -	\$ -	\$ -	\$ -
Mission Reach	17,075	743,333	15,040	719,809
Bexar County Reimbursement	10,000,000	19,098,270	19,098,270	-
River Road Stream Restoration	-	-	-	140,347
<b>Total Project Expenditures</b>	<b>\$ 10,017,075</b>	<b>\$ 19,841,603</b>	<b>\$ 19,113,310</b>	<b>\$ 860,156</b>
Reserved for Projects	118,678	140,347	140,331	-
<b>TOTAL APPROPRIATIONS</b>	<b>\$ 10,135,753</b>	<b>\$ 19,981,950</b>	<b>\$ 19,253,641</b>	<b>\$ 860,156</b>

## Bexar County Westside Creeks Restoration Projects Fund (54) Fiscal Year Ending June 30, 2020

The River Authority works with Bexar County to complete capital improvement projects that address flood control, water quality and recreational opportunities. This Bexar County Westside Creeks (WSC) Restoration Projects Fund is used to account for budgets and expenditures for Bexar County's portion of funding for the Westside Creeks Restoration Project improvements. Bexar County reimburses the River Authority for expenses incurred.

APPROPRIATIONS	FY 2017/18 Actual	FY 2018/19 Amended Budget	FY 2018/19 Activity As of 03/31/2019	Remaining Available Funds
<b>Beginning Balance</b>				
Undesignated Funds	\$ 8,791	\$ 28,266	\$ 42,815	\$ 109,370
<i>Total Beginning Balance</i>	\$ 8,791	\$ 28,266	\$ 42,815	\$ 109,370
<b>Revenue</b>				
Investment Income	\$ 30,382	\$ 15,000	\$ 66,555	\$ 30,000
Intergovernmental Revenue	46,242,626	71,446,200	12,910,054	50,328,394
Transfers	-	-	-	-
<i>Total Revenues</i>	46,273,008	71,461,200	12,976,609	50,358,394
<b>TOTAL AVAILABLE FUNDS</b>	<b>\$ 46,281,799</b>	<b>\$ 71,489,466</b>	<b>\$ 13,019,424</b>	<b>\$ 50,467,764</b>
<b>APPROPRIATIONS</b>				
<i>Projects</i>				
San Pedro Creek Culture Park	46,224,577	71,489,466	12,910,054	50,467,764
Westside Creeks - Elmendorf Lake Park	\$ 14,407	\$ -	\$ -	\$ -
<b>Total Project Expenditures</b>	<b>\$ 46,238,984</b>	<b>\$ 71,489,466</b>	<b>\$ 12,910,054</b>	<b>\$ 50,467,764</b>
Reserved for Projects	42,815	-	109,370	-
<b>TOTAL APPROPRIATIONS</b>	<b>\$ 46,281,799</b>	<b>\$ 71,489,466</b>	<b>\$ 13,019,424</b>	<b>\$ 50,467,764</b>

## City of San Antonio Capital Improvement Projects 1999 Fund (53)

### Fiscal Year Ending June 30, 2020

In the past, this fund has been used to budget and manage costs related to improvements on the San Antonio River funded by the City of San Antonio. It also accounted for costs related to the Cibolo Creek Floodplain Buyout program. The only remaining activity in this fund is Lakewood Acres. The River Authority worked with the City of San Antonio to acquire land for eventual park development. The purchase of all the needed property in the Lakewood Acres area has been completed with the exception of one parcel. Unique circumstances with the owners of the property have prevented the acquisition of this property. The funds remaining are to acquire the final land parcel. The River Authority is not responsible for operations and maintenance for this project.

APPROPRIATIONS	FY 2017/18 Actual	FY 2018/19 Amended Budget	FY 2018/19 Activity As of 03/31/2019	Remaining Available Funds
<b>Beginning Balance</b>				
Unrestricted Balance	\$ 32,342	\$ 32,342	\$ 32,342	\$ 32,342
<i>Total Beginning Balance</i>	\$ 32,342	\$ 32,342	\$ 32,342	\$ 32,342
<b>Revenue</b>				
Investment Income	\$ -	\$ -	\$ -	\$ -
Intergovernmental Revenue	-	-	-	-
Transfers	-	-	-	-
<i>Total Revenue</i>	-	-	-	-
<b>TOTAL AVAILABLE FUNDS</b>	<b>\$ 32,342</b>	<b>\$ 32,342</b>	<b>\$ 32,342</b>	<b>\$ 32,342</b>
<b>APPROPRIATIONS</b>				
<i>Projects</i>				
Lakewood Acres	\$ -	\$ 27,817	\$ -	\$ 27,817
<b>Total Project Expenditures</b>	<b>\$ -</b>	<b>\$ 27,817</b>	<b>\$ -</b>	<b>\$ 27,817</b>
Reserved for Projects	\$ 32,342	\$ 4,525	\$ 32,342	\$ 4,525
<b>TOTAL APPROPRIATIONS</b>	<b>\$ 32,342</b>	<b>\$ 32,342</b>	<b>\$ 32,342</b>	<b>\$ 32,342</b>



## City of San Antonio Capital Improvements Project Fund (11)

### Fiscal Year Ending June 30, 2020

The River Authority works with the City of San Antonio, Bexar County and the U.S. Army Corp of Engineers to complete capital improvement projects that address flood control, water quality and recreational opportunities. This City of San Antonio Capital Improvements Project Fund is used to account for budgets and expenditures for the City of San Antonio's portion of funding for these improvement projects. The City of San Antonio reimburses the River Authority for all expenses incurred.

APPROPRIATIONS	FY 2017/18 Actual	FY 2018/19 Amended Budget	FY 2018/19 Activity As of 03/31/2019	Remaining Available Funds
<b>Beginning Balance</b>				
Unrestricted Balance	\$ 372,249	\$ 372,249	\$ 171,139	\$ 237,574
<i>Total Beginning Balance</i>	<b>\$ 372,249</b>	<b>\$ 372,249</b>	<b>\$ 171,139</b>	<b>\$ 237,574</b>
<b>Revenue</b>				
Intergovernmental Revenue	\$ 2,077,346	\$ 6,113,224	\$ 960,762	\$ 4,840,346
Investment Income	-	-	-	-
Transfer	23	-	-	-
<i>Total Revenue</i>	2,077,369	6,113,224	960,762	4,840,346
<b>TOTAL AVAILABLE FUNDS</b>	<b>\$ 2,449,618</b>	<b>\$ 6,485,473</b>	<b>\$ 1,131,901</b>	<b>\$ 5,077,920</b>
<b>APPROPRIATIONS</b>				
<i>Projects</i>				
Broadway Underpass	\$ -	\$ 1,500,000	\$ -	\$ 1,500,000
Concepcion Creek Outfall Project	121,944	1,581,826	847,484	720,572
Edwards Aquifer Protection Program	57,144	324,384	37,388	267,542
Flood Gate 4 Replacement	1,898,260	79,264	392	-
River Walk Sculpture Garden Art Installation	-	1,500,000	3,090	1,496,910
Panther Springs	1,131	1,099,192	5,974	1,092,895
Transfer	200,000	200,000	-	-
<b>Total Project Expenditures</b>	<b>\$ 2,278,478</b>	<b>\$ 6,284,666</b>	<b>\$ 894,328</b>	<b>\$ 5,077,920</b>
Reserved for Projects	171,139	200,807	237,574	-
<b>TOTAL APPROPRIATIONS</b>	<b>\$ 2,449,618</b>	<b>\$ 6,485,473</b>	<b>\$ 1,131,901</b>	<b>\$ 5,077,920</b>

## City of San Antonio Westside Creeks Restoration Project Fund (61) Fiscal Year Ending June 30, 2020

The River Authority works with the City of San Antonio and Bexar County to complete capital improvement projects that address flood control, water quality and recreational opportunities. This City of San Antonio Westside Creeks (WSC) Restoration Project Fund is used to account for budgets and expenditures for the City of San Antonio's portion of funding for the improvement projects along the Westside Creeks waterways. The City reimburses the River Authority for expenses incurred.

APPROPRIATIONS	FY 2017/18 Actual	FY 2018/19 Amended Budget	FY 2018/19 Activity As of 03/31/2019	Remaining Available Funds
<b>Beginning Balance</b>				
Undesignated Funds	\$ 8,646	\$ 810,873	\$ 10,874	\$ 133,163
<i>Total Beginning Balance</i>	\$ 8,646	\$ 810,873	\$ 10,874	\$ 133,163
<b>Revenue</b>				
Investment Income	\$ 1,457	\$ -	\$ -	\$ -
Intergovernmental Revenue	3,945,918	39,142,743	10,143,827	28,233,234
Transfers	-	-	-	-
<i>Total Revenues</i>	3,947,375	39,142,743	10,143,827	28,233,234
<b>TOTAL AVAILABLE FUNDS</b>	<b>\$ 3,956,021</b>	<b>\$ 39,953,616</b>	<b>\$ 10,154,701</b>	<b>\$ 28,366,397</b>
<b>APPROPRIATIONS</b>				
<i>Projects</i>				
San Pedro Creek Culture Park	392,250	22,647,750	7,786,127	14,471,623
Westside Creeks - Linear Creekways and Elmendorf Lake Park	\$ 3,552,897	\$ 17,305,866	\$ 2,235,411	\$ 13,894,774
<b>Total Project Expenditures</b>	<b>\$ 3,945,147</b>	<b>\$ 39,953,616</b>	<b>\$ 10,021,538</b>	<b>\$ 28,366,397</b>
Reserved for Projects	10,874	-	133,163	-
<b>TOTAL APPROPRIATIONS</b>	<b>\$ 3,956,021</b>	<b>\$ 39,953,616</b>	<b>\$ 10,154,701</b>	<b>\$ 28,366,397</b>

## Downstream Capital Improvements Project Fund (58)

### Fiscal Year Ending June 30, 2020

This fund accounts for projects that are undertaken in the three, downstream of Bexar County, counties – Wilson, Karnes and Goliad. The River Authority is reimbursed for all expenses incurred in this fund.

APPROPRIATIONS	FY 2017/18 Actual	FY 2018/19 Amended Budget	FY 2018/19 Activity As of 03/31/2019	Remaining Available Funds
<b>Beginning Balance</b>				
Undesignated Funds	\$ 92	\$ 752,766	\$ 1,192,202	\$ 1,843,034
<i>Total Beginning Balance</i>	\$ 92	\$ 752,766	\$ 1,192,202	\$ 1,843,034
<b>Revenue</b>				
Investment Income	\$ 4,080	\$ 2,000	\$ 12,597	\$ 5,000
Intergovernmental Revenue	1,575,992	1,769,428	1,046,000	415,000
Transfers	-	-	-	-
<i>Total Revenue</i>	1,580,072	1,771,428	1,058,597	420,000
<b>TOTAL AVAILABLE FUNDS</b>	<b>\$ 1,580,164</b>	<b>\$ 2,524,194</b>	<b>\$ 2,250,799</b>	<b>\$ 2,263,034</b>
<b>APPROPRIATIONS</b>				
<i>Projects</i>				
Escondido Creek Parkway	\$ 387,962	\$ 2,522,194	\$ 407,765	\$ 2,263,034
<b>Total Project Expenditures</b>	<b>\$ 387,962</b>	<b>\$ 2,522,194</b>	<b>\$ 407,765</b>	<b>\$ 2,263,034</b>
Reserved for Projects	1,192,202	2,000	1,843,034	-
<b>TOTAL APPROPRIATIONS</b>	<b>\$ 1,580,164</b>	<b>\$ 2,524,194</b>	<b>\$ 2,250,799</b>	<b>\$ 2,263,034</b>

## Medina Dam Fund (14)

### Fiscal Year Ending June 30, 2020

The River Authority began the Medina Dam Improvement Project in 2010, providing management and construction administration services for the project on behalf of Bexar-Medina-Atascosa Counties Water Control and Improvement District No. 1, the Texas Water Development Board and Bexar County. The improvements were completed in 2012 and included the addition of anchors to the dam's existing abutments and the addition of a concrete apron downstream of the emergency spillway. This fund remains active due to pending litigation related to this project. FY 2019/20 Adopted Budget provides funding for legal expenses related to the Medina Dam Improvement Project resulting from cases filed by contractors. Any expenses incurred are fully reimbursed by Bexar-Medina-Atascosa Counties Water Control and Improvement District No. 1 and Bexar County.

APPROPRIATIONS	FY 2017/18 Actual	FY 2018/19 Amended Budget	FY 2018/19 Estimate	Remaining Available Funds
<b>Beginning Balance</b>				
Unrestricted Balance	\$ -	\$ -	\$ -	\$ -
<i>Total Beginning Balance</i>	\$ -	\$ -	\$ -	\$ -
<b>Revenue</b>				
Intergovernmental Revenue	\$ 40,345	\$ 120,000	\$ 80,000	\$ 160,000
<i>Total Revenue</i>	\$ 40,345	\$ 120,000	\$ 80,000	\$ 160,000
<b>TOTAL AVAILABLE FUNDS</b>	<b>\$ 40,345</b>	<b>\$ 120,000</b>	<b>\$ 80,000</b>	<b>\$ 160,000</b>
<b>APPROPRIATIONS</b>				
Operating Expenditures	\$ 40,345	\$ 120,000	\$ 80,000	\$ 160,000
<b>TOTAL OPERATING APPROPRIATIONS</b>	<b>\$ 40,345</b>	<b>\$ 120,000</b>	<b>\$ 80,000</b>	<b>\$ 160,000</b>
Unrestricted Balance	-	-	-	-
<b>TOTAL APPROPRIATIONS</b>	<b>\$ 40,345</b>	<b>\$ 120,000</b>	<b>\$ 80,000</b>	<b>\$ 160,000</b>

## Other Capital Projects Fund (57)

### Fiscal Year Ending June 30, 2020

The River Authority works with other public entities – state, local and federal – including the City of San Antonio and Bexar County, to complete capital improvement projects that provide flood control, water quality improvements and amenities to the community. This Other Capital Projects Fund is used to account for budgets and expenditures for projects funded by entities other than the City of San Antonio and Bexar County. The River Authority is reimbursed for all expenses incurred for projects in this fund.

APPROPRIATIONS	FY 2017/18 Actual	FY 2018/19 Amended Budget	FY 2018/19 Activity As of 03/31/2019	Remaining Available Funds
<b>Beginning Balance</b>				
Undesignated Funds	\$ 609,672	\$ -	\$ 3,305	\$ 302,940
<i>Total Beginning Balance</i>	\$ 609,672	\$ -	\$ 3,305	\$ 302,940
<b>Revenue</b>				
Investment Income	\$ -	\$ -	\$ -	\$ -
Intergovernmental Revenue	1,171,812	6,778,912	2,993,852	3,693,554
Miscellaneous	354,729	-	-	-
<i>Total Revenues</i>	1,526,541	6,778,912	2,993,852	3,693,554
<b>TOTAL AVAILABLE FUNDS</b>	<b>\$ 2,136,213</b>	<b>\$ 6,778,912</b>	<b>\$ 2,997,157</b>	<b>\$ 3,996,494</b>
<b>APPROPRIATIONS</b>				
<i>Projects</i>				
Brooks City Base - Mission Reach Linkage	\$ 44,398	\$ 101,855	\$ 5,690	\$ 91,002
Huebner Creek	-	280,000	71,450	208,550
San Pedro Creek Culture Park	2,088,510	6,397,057	2,617,077	3,696,942
<b>Total Project Expenditures</b>	<b>\$ 2,132,908</b>	<b>\$ 6,778,912</b>	<b>\$ 2,694,217</b>	<b>\$ 3,996,494</b>
Reserved for Projects	3,305	-	302,940	-
<b>TOTAL APPROPRIATIONS</b>	<b>\$ 2,136,213</b>	<b>\$ 6,778,912</b>	<b>\$ 2,997,157</b>	<b>\$ 3,996,494</b>

# UTILITY CAPITAL IMPROVEMENT PROGRAM



*Martinez IV WWTP, Bexar County*



SAN ANTONIO  

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RIVER AUTHORITY

# UTILITY TEN YEAR CAPITAL IMPROVEMENT PLAN



*Salitrillo WWTP, Bexar County*



# SARA WASTEWATER SYSTEM TEN YEAR CAPITAL IMPROVEMENT PLAN – FY 2019/20

	Fiscal Year 2020	Fiscal Year 2021	Fiscal Year 2022	Fiscal Year 2023	Fiscal Year 2024
<b>Martinez II Wastewater Treatment Plant Projects</b>					
Martinez II Plant Expansion	\$ -	\$ -	\$ -	\$ -	\$ 10,000,000
Upper Martinez Decommission	-	-	-	-	2,000,000
Nutrient Removal	-	-	-	-	-
Motor Control Center Building	-	1,500,000	-	-	-
Carousel Aerator 17	-	-	200,000	-	-
Clarifier 27	-	-	700,000	-	-
Carousel Aerator 27	-	-	-	-	-
Utility Optimization Plan	22,500	90,000	-	-	-
<b>Subtotal Martinez II</b>	<b>\$ 22,500</b>	<b>\$ 1,590,000</b>	<b>\$ 900,000</b>	<b>\$ -</b>	<b>\$ 12,000,000</b>

<b>Martinez IV Wastewater Treatment Plant Projects</b>					
MIV Expansion and Abbott Rd Lift Station	500,000	1,500,000	8,000,000	-	-
Decom MIII	100,000	-	-	-	-
Sewershed Modeling	-	-	243,699	-	-
<b>Subtotal Martinez IV</b>	<b>\$ 600,000</b>	<b>\$ 1,500,000</b>	<b>\$ 8,243,699</b>	<b>\$ -</b>	<b>\$ -</b>

<b>Highway 181 Wastewater Treatment Plant Projects</b>					
Wastewater Treatment Plant Roadwork Improvements	-	-	58,500	-	-
Clarifier Basin	-	-	-	100,000	-
Concrete Mechanicals	-	-	-	15,000	-
<b>Subtotal Highway 181</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 58,500</b>	<b>\$ 115,000</b>	<b>\$ -</b>

<b>Martinez Collection System Projects</b>					
SARA Wastewater Collection System I&I (SSOI)	-	-	-	-	-
Collection System Capital Improvement Program	200,000	-	-	-	-
Martinez II/Upper Martinez Interconnect line	-	3,300,000	1,265,000	1,200,000	-
IH10 from Loop 1604 to Bexr/Guadalupe county line	-	100,000	-	-	-
FM 1516 from IH 10 to FM 78	-	-	825,000	-	-
SARA Collection System Improvements	100,000	100,000	100,000	100,000	445,000
Sewershed Modeling - Martinez II	252,011	-	-	-	-
Martinez IV Collection System CIP	-	500,000	500,000	500,000	500,000
Project 4 - 24" line	2,400,000	-	-	-	-
Sewershed Modeling - Martinez IV	94,356	235,888	-	-	-
<b>Subtotal-SARA Collection System Projects</b>	<b>\$ 3,046,367</b>	<b>\$ 4,235,888</b>	<b>\$ 2,690,000</b>	<b>\$ 1,800,000</b>	<b>\$ 945,000</b>

<b>Total-SARA Wastewater Projects</b>	<b>\$ 3,668,867</b>	<b>\$ 7,325,888</b>	<b>\$11,892,199</b>	<b>\$ 1,915,000</b>	<b>\$12,945,000</b>
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**PRIORITY**

High
Medium
Low

# SARA WASTEWATER SYSTEM TEN YEAR CAPITAL IMPROVEMENT PLAN – FY 2019/20

	Fiscal Year 2025	Fiscal Year 2026	Fiscal Year 2027	Fiscal Year 2028	Fiscal Year 2029
<b>Martinez II Wastewater Treatment Plant Projects</b>					
Martinez II Plant Expansion	\$ 8,000,000	\$ -	\$ -	\$ -	\$ -
Upper Martinez Decomission	2,000,000	-	-	-	-
Nutrient Removal	2,065,000	-	-	-	-
Motor Control Center Building	-	-	-	-	-
Carousel Aerator 17	-	-	-	-	-
Clarifier 27	-	-	-	-	-
Carousel Aerator 27	200,000	-	-	-	-
Utility Optimization Plan	-	-	-	-	-
<b>Subtotal Martinez II</b>	<b>\$ 12,265,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>Martinez IV Wastewater Treatment Plant Projects</b>					
MIV Expansion and Abbott Rd Lift Station	-	-	-	-	-
Decom MIII	-	-	-	-	-
Sewershed Modeling	-	-	-	-	-
<b>Subtotal Martinez IV</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>Highway 181 Wastewater Treatment Plant Projects</b>					
Wastewater Treatment Plant Roadwork Improvements	-	-	-	-	-
Clarifier Basin	-	-	-	-	-
Concrete Mechanicals	-	-	-	-	-
<b>Subtotal Highway 181</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>Martinez Collection System Projects</b>					
SARA Wastewater Collection System I&I (SSOI)	-	-	-	-	-
Collection System Capital Improvement Program	-	-	-	-	-
Martinez II/Upper Martinez Interconnect line	-	-	-	-	-
IH10 from Loop 1604 to Bexr/Guadalupe county line	-	-	-	-	-
FM 1516 from IH 10 to FM 78	-	-	-	-	-
SARA Collection System Improvements	445,000	445,000	445,000	445,000	445,000
Sewershed Modeling - Martinez II	-	-	-	-	-
Martinez IV Collection System CIP	500,000	500,000	500,000	500,000	500,000
Project 4 - 24" line	-	-	-	-	-
Sewershed Modeling - Martinez IV	-	-	-	-	-
<b>Subtotal-SARA Collection System Projects</b>	<b>\$ 945,000</b>	<b>\$ 945,000</b>	<b>\$ 945,000</b>	<b>\$ 945,000</b>	<b>\$ 945,000</b>
<b>Total-SARA Wastewater Projects</b>	<b>\$13,210,000</b>	<b>\$ 945,000</b>	<b>\$ 945,000</b>	<b>\$ 945,000</b>	<b>\$ 945,000</b>

**PRIORITY**

High
Medium
Low

# SALITRILLO WASTEWATER SYSTEM TEN YEAR CAPITAL IMPROVEMENT PLAN – FY 2019/20

	Fiscal Year 2020	Fiscal Year 2021	Fiscal Year 2022	Fiscal Year 2023	Fiscal Year 2024
<b>Salitrillo Wastewater Treatment Plant Projects</b>					
Nutrient Removal	-	-	-	-	-
Sludge Press Improvemnts	-	-	-	-	-
Raw and Return Screw Pump	-	-	-	-	-
Barscreen, Lower Plant	-	-	-	-	-
Tertiary Filters	-	-	-	-	1,500,000
Salitrillo Plant Expansion	3,300,000	25,350,000	470,000	-	-
Utility Optimization Plan	22,500	-	-	-	-
<b>Subtotal-Salitrillo Wastewater Treatment Plant Projects</b>	<b>3,322,500</b>	<b>25,350,000</b>	<b>470,000</b>	<b>-</b>	<b>1,500,000</b>
<b>Salatrillo Collection System Projects</b>					
Salitrillo Collection System I&I (SSOI)	533,762	-	-	-	-
Salitrillo and Martinez Sewershed Models	160,000	-	-	-	-
Salitrillo Collection System Improvements	-	-	460,000	460,000	460,000
Collection System Capital Improvements Program	-	750,000	-	-	-
Rocket Lane from Norris Drive to Loop 1604	200,000	-	-	-	-
Crestway Road from Kitty Hawk Road to FM 1976	-	-	100,000	-	-
<b>Subtotal-Salitrillo Collection System Projects</b>	<b>\$ 893,762</b>	<b>\$ 750,000</b>	<b>\$ 560,000</b>	<b>\$ 460,000</b>	<b>\$ 460,000</b>
<b>Total-Salitrillo System</b>	<b>\$ 4,216,262</b>	<b>\$ 26,100,000</b>	<b>\$ 1,030,000</b>	<b>\$ 460,000</b>	<b>\$ 1,960,000</b>

**PRIORITY**

High	
Medium	
Low	

# SALITRILLO WASTEWATER SYSTEM TEN YEAR CAPITAL IMPROVEMENT PLAN – FY 2019/20

	Fiscal Year 2025	Fiscal Year 2026	Fiscal Year 2027	Fiscal Year 2028	Fiscal Year 2029
<b>Salitrillo Wastewater Treatment Plant Projects</b>					
Nutrient Removal	4,000,000	-	-	-	-
Sludge Press Improvemnts	150,000	-	-	-	-
Raw and Return Screw Pump	-	500,000	-	-	-
Barscreen, Lower Plant	-	-	-	75,000	-
Tertiary Filters	-	-	-	-	-
Salitrillo Plant Expansion	-	-	-	-	-
Utility Optimization Plan	-	-	-	-	-
<b>Subtotal-Salitrillo Wastewater Treatment Plant Projects</b>	<b>4,150,000</b>	<b>500,000</b>	<b>-</b>	<b>75,000</b>	<b>-</b>
<b>Salitrillo Collection System Projects</b>					
Salitrillo Collection System I&I (SSOI)	-	-	-	-	-
Salitrillo and Martinez Sewershed Models	-	-	-	-	-
Salitrillo Collection System Improvements	460,000	460,000	460,000	460,000	460,000
Collection System Capital Improvements Program	-	-	-	-	-
Rocket Lane from Norris Drive to Loop 1604	-	-	-	-	-
Crestway Road from Kitty Hawk Road to FM 1976	-	-	-	-	-
<b>Subtotal-Salitrillo Collection System Projects</b>	<b>\$ 460,000</b>	<b>\$ 460,000</b>	<b>\$ 460,000</b>	<b>\$ 460,000</b>	<b>\$ 460,000</b>
<b>Total-Salitrillo System</b>	<b>\$ 4,610,000</b>	<b>\$ 960,000</b>	<b>\$ 460,000</b>	<b>\$ 535,000</b>	<b>\$ 460,000</b>

**PRIORITY**

High	
Medium	
Low	



SAN ANTONIO  

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RIVER AUTHORITY

# UTILITY FIVE YEAR REPAIR AND REPLACEMENT PROGRAM



*Martinez II WWTP, Bexar County*

**SAN ANTONIO RIVER AUTHORITY WASTEWATER SYSTEM  
FIVE YEAR RENEWAL AND REPLACEMENT PLAN – FY 2019/20**

<b>Description and Business Justification</b>	<b>Fiscal Year 2020</b>	<b>Fiscal Year 2021</b>	<b>Fiscal Year 2022</b>	<b>Fiscal Year 2023</b>	<b>Fiscal Year 2024</b>
The useful life is ending and equipment needs to be replaced at Upper Martinez and Martinez II.	-	125,000	-	-	-
Improvements to the clarifier at Upper Martinez due to age. Gearbox and motor combination	-	60,000	-	-	-
Replace vector truck due to age and continuous equipment repairs.	317,260	-	-	-	-
Improvements to ultraviolet bank and channel, aeration basins, clarifier basins, and control panels at the Highway 181 wastewater treatment plant.	-	-	350,000	-	-
Purchase and install new diesel pump at Foster Road lift station.	-	75,000	-	-	-
Tanker Trailer	-	90,000	-	-	-
Rehab concrete wet well at Foster Road lift station due to age and continuous repairs.	-	100,000	-	-	-
Replace plant water pump at Upper Martinez due to age.	-	-	50,000	-	-
Replace 400kw generator at Upper Martinez wastewater treatment plant due to age.	-	200,000	-	-	-
Tractor	-	-	-	-	150,000
Annual vehicle replacement program. Replace both light and heavy duty vehicles due to mileage, age, and condition.	252,030	285,750	270,000	247,500	101,250
<b>Total- San Antonio River Authority Wastewater System</b>	<b>\$ 569,290</b>	<b>\$ 970,750</b>	<b>\$ 670,000</b>	<b>\$ 247,500</b>	<b>\$ 251,250</b>

**SALITRILLO WASTEWATER SYSTEM FIVE YEAR RENEWAL  
AND REPLACEMENT PLAN – FY 2019/20**

<b>Description and Business Justification</b>	<b>Fiscal Year 2020</b>	<b>Fiscal Year 2021</b>	<b>Fiscal Year 2022</b>	<b>Fiscal Year 2023</b>	<b>Fiscal Year 2024</b>
Replace rotoscreen due to age.	55,000	-	-	-	-
Roll-off Truck and Bins	135,000				
Replace tractor trailer.	112,000				
Replace 400kw generator due to age.	-	200,000	-	-	-
Replace equipment that is part of the Supervisory Control and Data Acquisition (SCADA) System due to age.	-	-	-	200,000	-
Replace polymer system due to age.	-	-	-	100,000	-
Annual vehicle replacement program. Replace both light and heavy duty vehicles due to mileage, age, and condition.	-	190,500	180,000	165,000	67,500
<b>Total - Salitrillo System</b>	<b>\$ 302,000</b>	<b>\$ 390,500</b>	<b>\$ 180,000</b>	<b>\$ 465,000</b>	<b>\$ 67,500</b>





SAN ANTONIO  

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RIVER AUTHORITY

# UTILITY CAPITAL IMPROVEMENT FUNDS



*Martinez II WWTP, Bexar County*



SAN ANTONIO  

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RIVER AUTHORITY

## Randolph Air Force Base Renewals and Replacement Fund (83) Fiscal Year Ending June 30, 2020

The River Authority, through a contract with the federal government, has responsibility for the Randolph Air Force Base (RAFB) wastewater collection system which provides service to customers of the Randolph Air Force Base installation adjacent to Universal City in Bexar County. The Utility Department operates and maintains the River Authority-owned collection system in the Randolph Air Force Base installation and completes projects annually that improve the system. The Randolph Air Force Base Renewals and Replacement Fund accounts for the capital improvement projects completed annually to maintain the collection system. Every year, several pipe replacement and manhole improvements projects are completed.

APPROPRIATIONS	FY 2017/18 Actual	FY 2018/19 Amended Budget	FY 2018/19 Activity As of 03/31/2019	Remaining Available Funds
<b>Beginning Balance</b>				
Reserve for Projects	\$ 1,120,903	\$ 1,043,576	\$ 1,139,565	\$ 1,251,726
<i>Total Beginning Balance</i>	\$ 1,120,903	\$ 1,043,576	\$ 1,139,565	\$ 1,251,726
<b>Revenue</b>				
Intergovernmental Revenue	\$ 362,379	\$ 860,645	\$ 324,228	\$ 1,505,613
Investment Income	12,985	8,000	14,403	15,000
Transfers	-	-	-	-
<i>Total Revenue</i>	375,364	868,645	338,631	1,520,613
<b>TOTAL AVAILABLE FUNDS</b>	<b>\$ 1,496,267</b>	<b>\$ 1,912,221</b>	<b>\$ 1,478,196</b>	<b>\$ 2,772,339</b>
<b>APPROPRIATIONS</b>				
<i>Projects</i>				
Randolph Air Force Base Year 14 (2017)	\$ 356,702	\$ -	\$ -	\$ -
Randolph Air Force Base Year 15 (2018)	-	244,626	226,470	-
Randolph Air Force Base Year 16 (2019)	-	904,807	-	701,263
Randolph Air Force Base Year 17 (2020)	-	-	-	1,003,829
<b>Total Project Expenditures</b>	<b>\$ 356,702</b>	<b>\$ 1,149,433</b>	<b>\$ 226,470</b>	<b>\$ 1,705,092</b>
Reserved for Projects	1,139,565	762,788	1,251,726	1,067,247
<b>TOTAL APPROPRIATIONS</b>	<b>\$ 1,496,267</b>	<b>\$ 1,912,221</b>	<b>\$ 1,478,196</b>	<b>\$ 2,772,339</b>

## Salitrillo Construction and Improvements Fund (81)

### Fiscal Year Ending June 30, 2020

The Salitrillo Wastewater Treatment System includes wholesale, retail and reuse water services. Wholesale wastewater service is provided to the cities of Converse, Live Oak, and Universal City. Each city maintains and operates the collection systems within its city limits; however, the main outfall lines from the cities are maintained by Utility Department personnel. The retail portion of the Salitrillo Wastewater System provides retail wastewater services to parts of the City of San Antonio and Bexar County. The Salitrillo Reuse function provides reuse water and delivery services to Universal City as well as Alamo Community Colleges – Northeast Lakeview campus.

The Salitrillo Construction and Improvements Fund accounts for all of the construction and improvements to the Salitrillo wastewater system – wholesale, retail and reuse.

APPROPRIATIONS	FY 2017/18 Actual	FY 2018/19 Amended Budget	FY 2018/19 Activity As of 03/31/2019	Remaining Available Funds
<b>Beginning Balance</b>				
Impact Fee Reserve	\$ 3,997,272	\$ 3,997,272	\$ 3,997,272	\$ 3,997,272
Connection Fee Reserve	201,150	417,150	500,850	1,127,110
Reserve for Projects	1,085,510	889,445	885,926	2,296,433
<i>Total Beginning Balance</i>	<i>\$ 5,283,932</i>	<i>\$ 5,303,867</i>	<i>\$ 5,384,048</i>	<i>\$ 7,420,815</i>
<b>Revenue</b>				
Transfers	\$ -	\$ 1,700,000	\$ 1,700,000	\$ 2,500,000
Proceeds from Debt Issuance	-	-	-	25,000,000
Investment Income	70,213	15,000	58,657	75,000
Impact Fees	-	-	-	-
Connection Fees	314,550	322,500	626,260	322,500
<i>Total Revenue</i>	<i>384,763</i>	<i>2,037,500</i>	<i>2,384,917</i>	<i>27,897,500</i>
<b>TOTAL AVAILABLE FUNDS</b>	<b>\$ 5,668,695</b>	<b>\$ 7,341,367</b>	<b>\$ 7,768,965</b>	<b>\$ 35,318,315</b>
<b>APPROPRIATIONS</b>				
<i>Projects</i>				
City Metering	\$ 102	\$ -	\$ -	\$ -
Salitrillo & Martinez Sewershed Models	80,649	328,209	33,195	415,864
Salitrillo Collection System - Inflow and Infiltration				
Retail Collection System	-	135,407	-	260,407
Wholesale Collection System	-	722,890	225,214	1,231,438
Salitrillo Wastewater Treatment Plant Improvements	107,918	62,617	24,187	-
Salitrillo WWTP Expansion	-	165,000	65,102	29,099,898
Subsurface Utility Exploration & Utility Mapping	68,489	15,332	452	-
Utility Optimization Plan	-	-	-	22,500
Utility SCADA System	27,489	-	-	-
<b>Total Project Expenditures</b>	<b>\$ 284,647</b>	<b>\$ 1,429,455</b>	<b>\$ 348,150</b>	<b>\$ 31,030,107</b>
Impact Fee Reserve	3,997,272	3,997,272	3,997,272	-
Connection Fee Reserve	500,850	739,650	1,127,110	1,449,610
Reserved for Projects	885,926	1,174,990	2,296,433	2,838,598
<b>TOTAL APPROPRIATIONS</b>	<b>\$ 5,668,695</b>	<b>\$ 7,341,367</b>	<b>\$ 7,768,965</b>	<b>\$ 35,318,315</b>

## **San Antonio River Authority Wastewater System Construction and Improvements Fund (80)**

The San Antonio River Authority wastewater system has several plants as well as a collections system, all of which are operated and maintained by Utility Department staff. The plants include: Upper Martinez, Martinez II, Martinez III, Martinez IV, and the Highway 181 Wastewater System. These systems primarily serve residents and the business community located within portions of eastern/northeast Bexar County.

The San Antonio River Authority Wastewater System – Construction and Improvements Fund is used to budget and manage all expenditures related to infrastructure improvements to the wastewater treatment systems' plants and collection system.

**San Antonio River Authority**  
**SARA Wastewater Systems Construction and Improvements Fund**  
**Fiscal Year Ending June 30, 2020**

**Fund: 80**

	FY 2017/18 Actual	FY 2018/19 Amended Budget	FY 2018/19 Activity As of 03/31/2019	Remaining Available Funds
--	----------------------	---------------------------------	---	---------------------------------

**Beginning Balance**

Impact Fee Reserve	\$ -	\$ -	\$ -	\$ -
Connection Fee Reserve	2,039,097	2,707,772	3,228,658	2,707,772
Reserve for Projects	2,183,066	12,203,368	11,132,020	11,232,127
<i>Total Beginning Balance</i>	<b>\$ 4,222,163</b>	<b>\$ 14,911,140</b>	<b>\$ 14,360,678</b>	<b>\$ 13,939,899</b>

**Revenue**

Intergovernmental Revenue	\$ 714,971	\$ -	\$ 75,756	\$ -
Proceeds from Debt Issuance	9,500,000	-	-	-
Other Contributions	250,000	-	39,133	-
Transfers	2,300,000	3,250,000	3,250,000	2,900,000
Investment Income	81,206	25,000	146,162	150,000
Sale of Fixed Assets/Other Contributions	2,946,484	-	162,500	-
Impact Fees	-	-	-	-
Connection Fees	4,143,925	2,645,000	2,045,950	2,645,000
<i>Total Revenues</i>	<b>19,936,586</b>	<b>5,920,000</b>	<b>5,719,501</b>	<b>5,695,000</b>
<b>TOTAL AVAILABLE FUNDS</b>	<b>\$ 24,158,749</b>	<b>\$ 20,831,140</b>	<b>\$ 20,080,179</b>	<b>\$ 19,634,899</b>

**APPROPRIATIONS**

*Projects*

IH10 Sewer Line Relocation	\$ 337,121	\$ -	\$ -	\$ -
Martinez III Decommission	-	-	-	100,000
Martinez IV Collection System CIP	-	505,000	188,746	316,254
Martinez IV Collection System CIP - Project 4	-	-	-	2,400,000
Martinez IV Solar	-	300,000	170,600	129,400
Martinez IV Wastewater System and Phase IV Collection Line	6,281,189	7,201,466	3,106,588	406,300
Martinez IV Wastewater Treatment Plant Expansion	-	-	-	500,000
Salitrillo and Martinez Sewershed Models	142,469	529,446	100,561	723,008
SARA WWTP - Inflow and Infiltration	-	940,631	940,630	-
Screw Pump Replacement - Martinez II Subsurface	148,259	1,143,735	968,347	-
Utility Exploration & Utility Mapping	28,673	104,120	37,558	-
Utility SCADA System	168,202	-	-	-
Utility Optimization Plan	-	-	-	22,500
WWTP Roadwork Improvements	135,688	-	-	-
Connection Fee Expenditures	2,556,470	2,000,000	627,250	2,000,000

<b>Total Project Expenditures</b>	<b>\$ 9,798,071</b>	<b>\$ 12,724,398</b>	<b>\$ 6,140,280</b>	<b>\$ 6,597,462</b>
Impact Fee Reserve	-	-	-	-
Connection Fee Reserve	3,228,658	1,845,003	2,707,772	1,845,003
Reserved for Projects	11,132,020	6,261,739	11,232,127	11,192,433
<b>TOTAL APPROPRIATIONS</b>	<b>\$ 24,158,749</b>	<b>\$ 20,831,140</b>	<b>\$ 20,080,179</b>	<b>\$ 19,634,899</b>

# Projects



**Photo by Fernando Aguirre  
2019 River Clicks Photo Contest  
Museum Reach 10th Anniversary Category Winner**





## Overview

The River Authority manages and completes projects under a wide range of activities including scientific studies, park improvements, major infrastructure initiatives for flood control, stormwater management and community amenities. Funding for these projects comes from various sources as well. The River Authority does contribute funding specifically towards projects; however, the majority of funding comes from other community entities, notably the City of San Antonio and Bexar County. Funding through federal, state and local grants also helps the River Authority support its mission of safe, clean, enjoyable creeks and rivers.

Because many of the projects managed and budgeted by the River Authority are on behalf of others, most of the projects, when completed, do not have an operational cost to the River Authority. The assets and, therefore, the responsibility for operations and maintenance, go to those entities. There are notable exceptions. The Mission Reach, Museum Reach, and San Pedro Creek Culture Park are maintained by the River Authority. The approved operating budget provides sufficient funding for this effort.

Improvements to our enterprise project management system are supported in the annual budget for FY 2019/20. The focus for next year's efforts involve improving the ease of use, user education, and incorporating resource planning information.

In FY 2019/20, the River Authority will continue to focus on human capital management (capacity planning) and work prioritization to establish a means by which funded projects can be prioritized so that staffing resources are targeted in those activities. This process will also help set realistic timelines and expectations for projects' start and completion dates.

## Definitions

The River Authority’s portfolio of work for FY 2019/20 falls under five organization Strategic Plan Goals, and includes sixty-one (61) authorized projects and numerous efforts. These terms – goals, projects, and efforts – have specific meaning for the River Authority. Below are the definitions for each to provide the reader with a common understanding of how these terms apply.

### Goal

A Goal refers to one of five Strategic Plan Goals that are established to advance the vision and mission of the River Authority. Projects and efforts are assigned to Goals that are managed and monitored by selected Goal Leaders to obtain benefits not available from managing them individually. Goal Leaders typically oversee multiple projects and efforts that align to a particular agency Goal and help facilitate collaboration and coordination that may result in benefits for activities that overlap one another.

### Project

A project is a temporary endeavor undertaken to create a unique product, service, or result that meets a specific objective. A Project’s cost threshold is \$75,000 or greater, and has a duration of one year or longer. Projects require Board of Director approval. All projects are entered into the River Authority’s project management software system and are managed in a consistent fashion.

### Effort

An effort is a type of work that is categorized under a goal or department that does not meet the Project definition. Work can be cross-departmental or within a single department. An Effort may have a need to maintain financial or resource capacity reporting information. An Effort should have a start and end date with any applicable budget authorized within the department(s). Efforts are included in the department narratives within the Annual Budget Detail book.

## Processes

Consistent and effective project management lends to efficient fiscal stewardship of public funds and excellent service to the constituents. To maintain effective project management, various internal processes and tools are in place that take a project from the first step – the idea stage – to successful completion. These processes are dynamic and reviewed periodically to ensure continued relevance and success.

*Escondido Creek Parkway Project  
Rendering, Karnes County*



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<b>Goal</b>	<b>Projects Table of Contents</b>	<b>Page Number</b>
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# Projects Goal #1



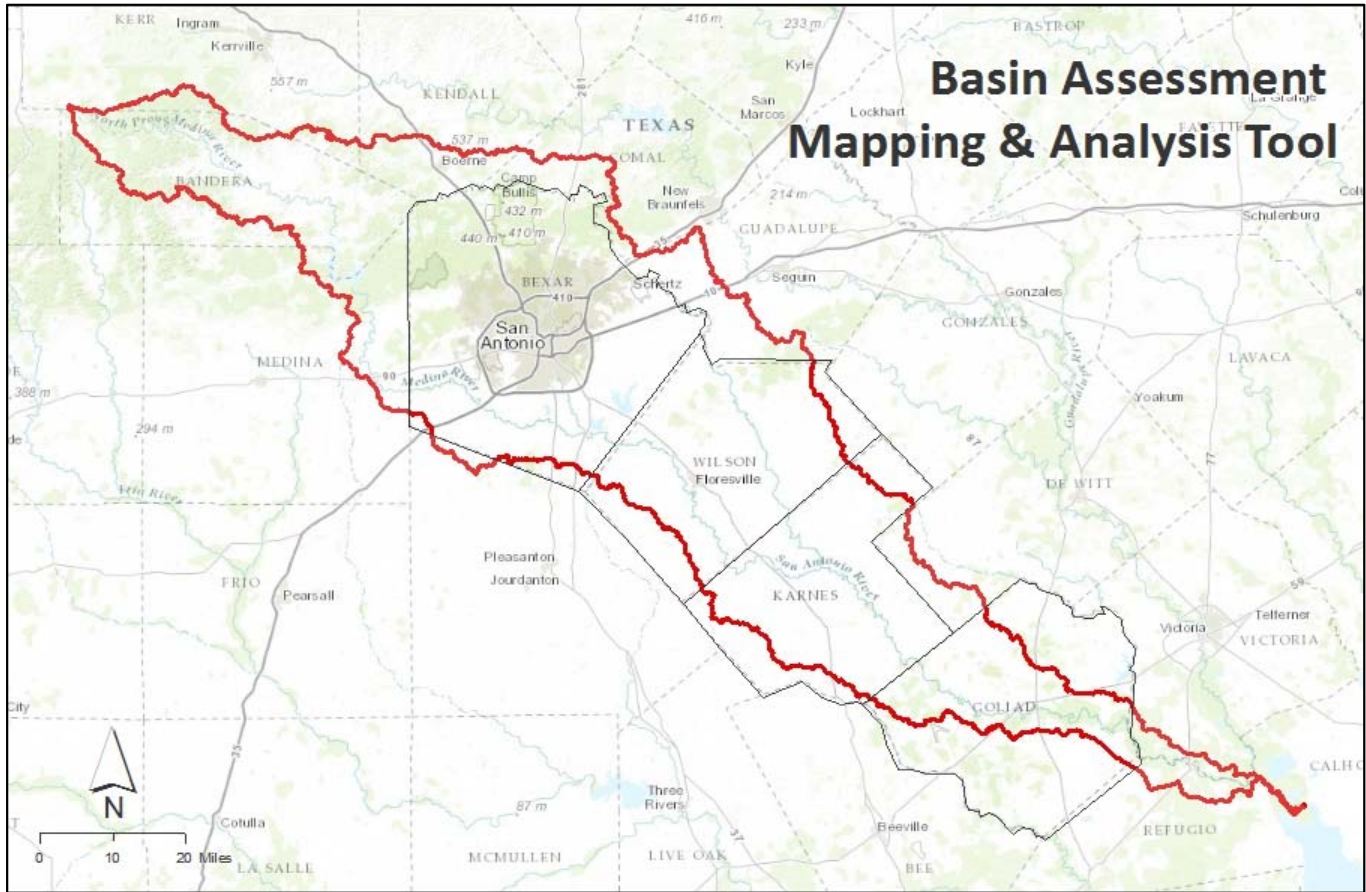
**Photo by Mavis Woodard  
2019 River Clicks Photo Contest  
Judge's Best Category Winner - Wilson County**



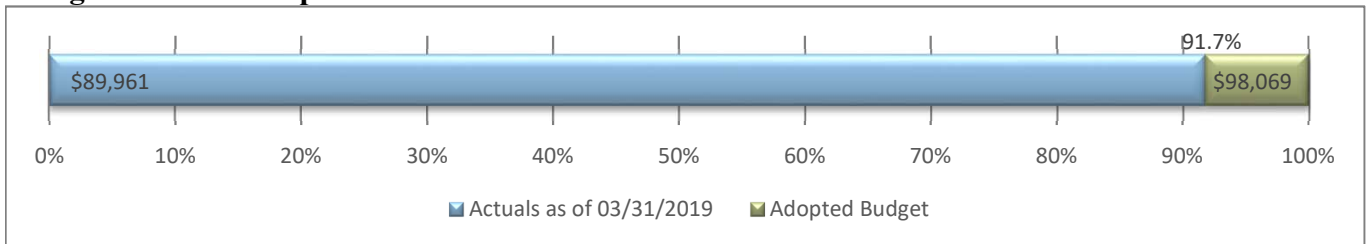
**Advance Science and Engineering Expertise and Data** – Through research data, tools and models, SARA will continue to serve as the lead agency providing technical and science based information and solutions to advance our mission.

- ◆ Target Investments to maintain SARA's technical leadership in flood, water quality and ecosystem modeling, mapping and analysis; and watershed master planning.
- ◆ Advance the capability for consumers to easily access and use models, data and master plans through development of tools.

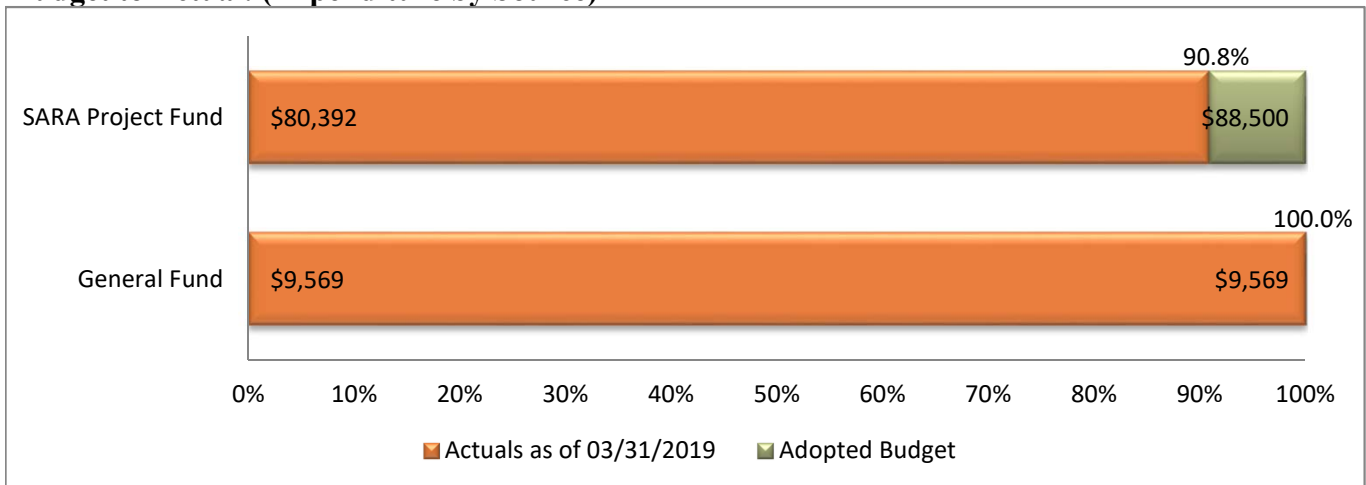
- ◆ Basin Assessment Mapping & Analysis Tool
- ◆ Clean Rivers Program 2017
- ◆ Cooperating Technical Partner (CTP) - FY17 Medina Phase II
- ◆ Cooperating Technical Partners (CTP) Development FFFFFI
- ◆ Cooperating Technical Partners (CTP) Risk Map Cibolo
- ◆ Cooperating Technical Partners (CTP) Risk Map Lower SAR
- ◆ Cooperating Technical Partners (CTP) Risk Map Mid Cibolo
- ◆ Cooperating Technical Partners (CTP) USAR FY2016
- ◆ Digital Data and Model Repository (D2MR) - ReDevelopment
- ◆ Floodplain (FP) Remap - Leon, Salado, and Medina
- ◆ Green Stormwater Infrastructure Master Plan: Upper SAR Watershed
- ◆ H&H Study - Borrego to Medio
- ◆ Inflow Scenarios for San Antonio Bay Modeling Project 2018
- ◆ Laboratory Management Software Replacement
- ◆ Mid/Lower Cibolo Creek WPP
- ◆ Predictive Flood Modeling
- ◆ Site-Scale Model Development
- ◆ Tributary Modeling
- ◆ Watershed Master Plans Integration



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**



<b>Project Name:</b>	<b>Basin Assessment Mapping &amp; Analysis Tool</b>	<b>Project #</b>	<b>0540</b>
Managing Department:	Information Technology		
		Adopted Budget:	\$ 88,500
		SARA Contribution:	\$ 9,569
Project Start Date:	7/1/2016	Unfunded Plan:	\$ -
Project Finish Date:	6/30/2019	Total Project:	\$ 98,069

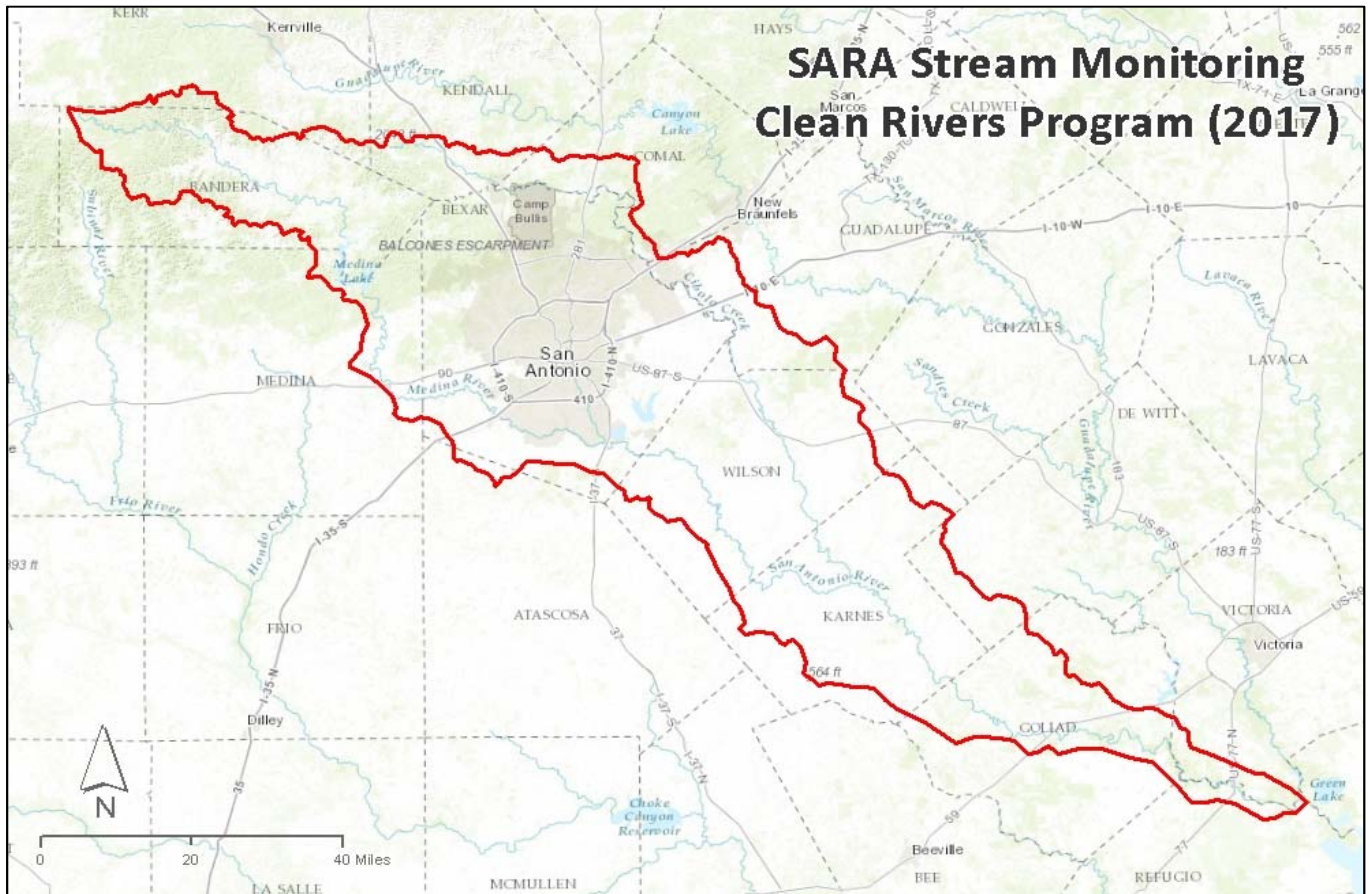
The primary goal of the Basin Assessment and Analysis Tool is to compile, review and assess existing and current spatial data, models and analysis from both the River Authority and external sources to provide key indicators of watershed condition/health. Additionally, assessment results and associated data are being visualized and made available in an intuitive and interactive web mapping application, to aid in decision support and prioritization of target areas for holistic watershed improvement activities.

This project supports the strategic plan by providing a graphic display of the River Authority’s data and analysis in one comprehensive and centralized web platform allowing River Authority staff access to valuable spatial information about the watershed to support planning for the best use of River Authority resources and to answer questions and communicate information about the San Antonio River Basin. The project also provides data and guidance to help conservation partners identify appropriate areas within the basin for preservation or restoration activities.

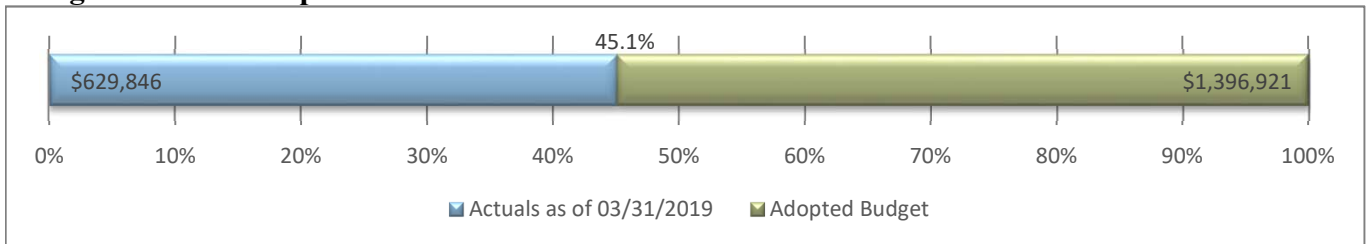
This project started in FY 2016/17 with collecting and updating spatial data, and finalizing the assessment methodology and results. In FY 2018/19, the Basin Assessment Mapping and Analysis Tool was finalized by River Authority staff and released for public and River Authority use.

<b>Spending Plan of Total Project Budget</b>					
	Actuals	<u>April 1, 2019</u>		Succeeding	
	as of	to		from	
<b>Expenditures</b>	<u>March 31, 2019</u>	<u>June 2020</u>	<u>2020/21</u>	<u>2021</u>	<u>Total</u>
Personnel	\$ 9,569	\$ -	\$ -	\$ -	\$ 9,569
Other	80,392	8,108	-	-	88,500
Total	<u>\$ 89,961</u>	<u>\$ 8,108</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 98,069</u>

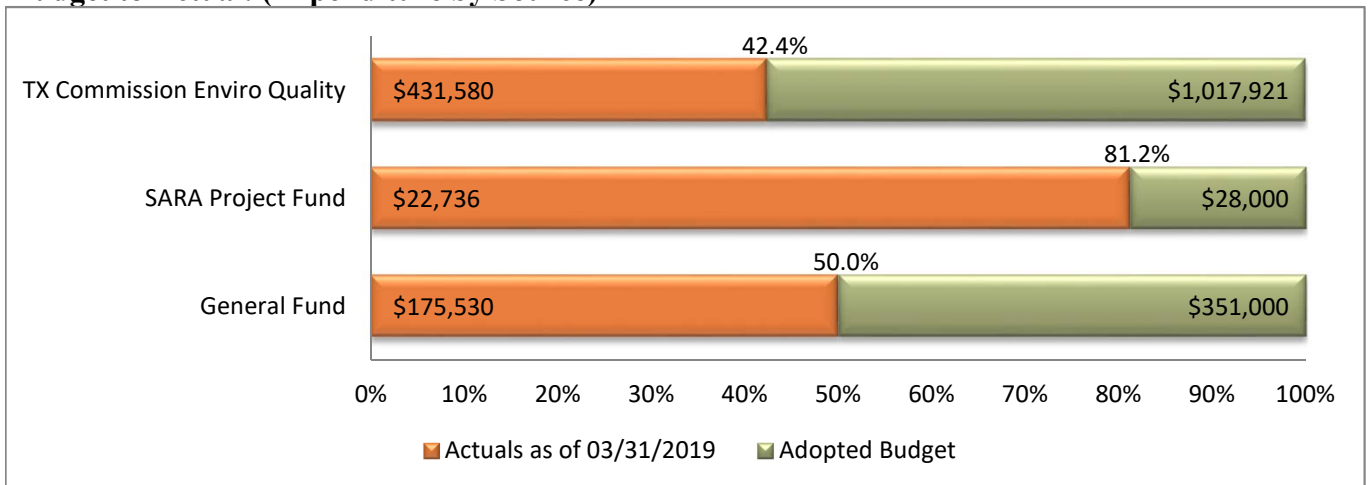




**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**



<b>Project Name:</b>	<b>Clean Rivers Program 2017</b>	<b>Project #</b>	<b>0569</b>
Managing Department:	Environmental Sciences		
		Adopted Budget:	\$ 1,045,920
		SARA Contribution:	\$ 351,000
Project Start Date:	9/1/2017	Unfunded Plan:	\$ -
Project Finish Date:	12/31/2021	Total Project:	\$ 1,396,921

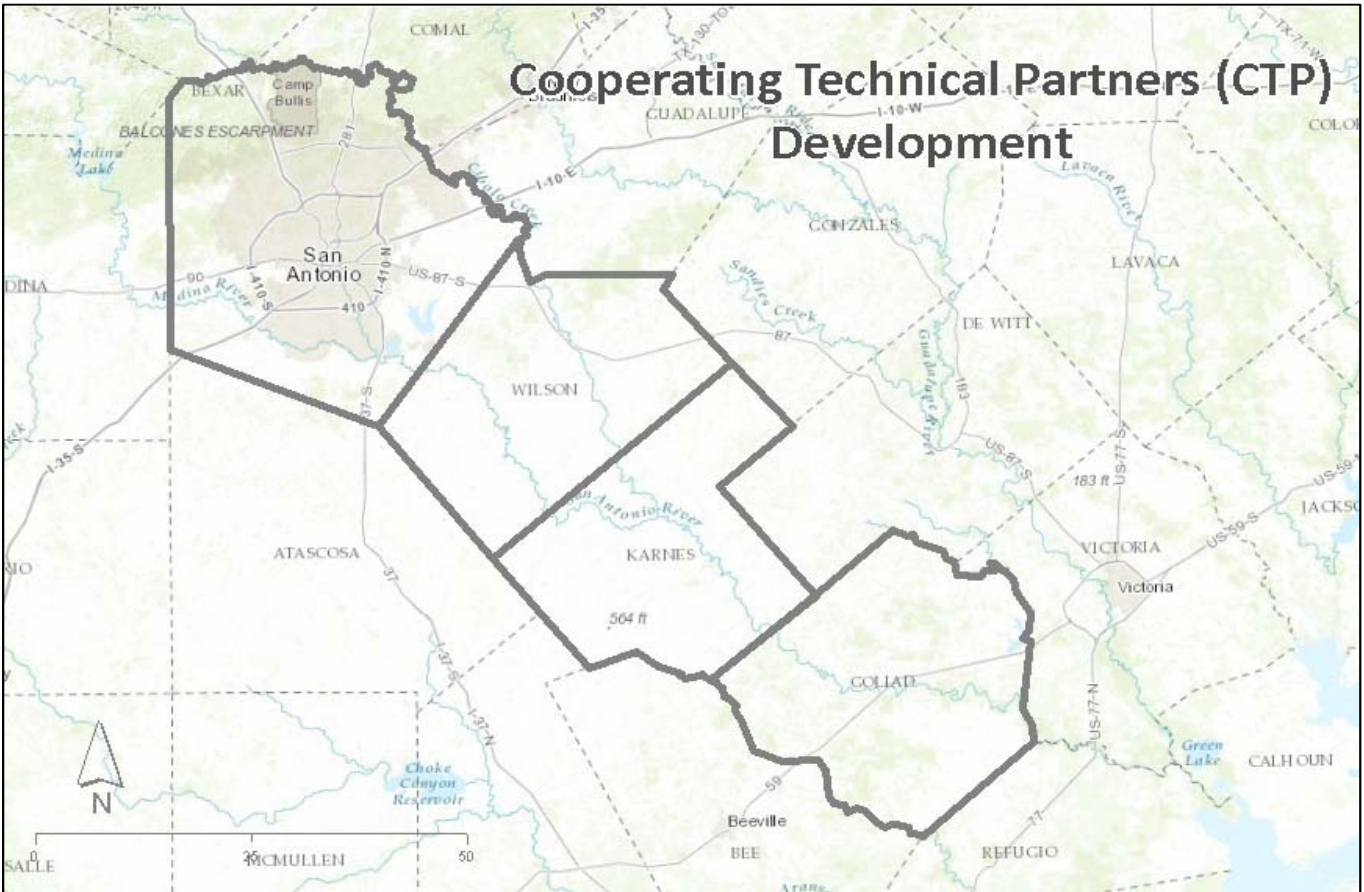
The Texas Clean Rivers Program (CRP) funded by the Texas Commission on Environmental Quality (TCEQ) with additional funding support from the River Authority, supports the River Authority's routine surface water quality data collection within the San Antonio River basin. The CRP provides for the analysis and data gathered management of surface water samples collected throughout the basin. CRP produces quality assured water quality data for the assessment of current water quality conditions and identify long-term trends. Information is shared with the community and stakeholders. The CRP has been ongoing since 1992.

The CRP and the River Authority's Stream Monitoring Project utilize a watershed approach to address impairments, concerns, and long-term trends to generate lasting and recognized improvements to the health and safety of our creeks, rivers, estuaries and bays.

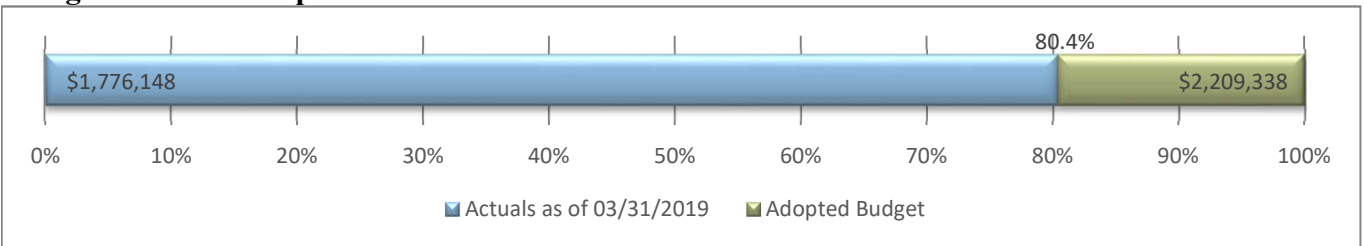
In FY 2019/20, the CRP will collect, analyze, and manage surface water quality data collected throughout the San Antonio River basin. Operations and maintenance costs associated with this project are included in the FY 2019/20 Adopted Budget.

New funding for FY 2019/20 is \$570,540.

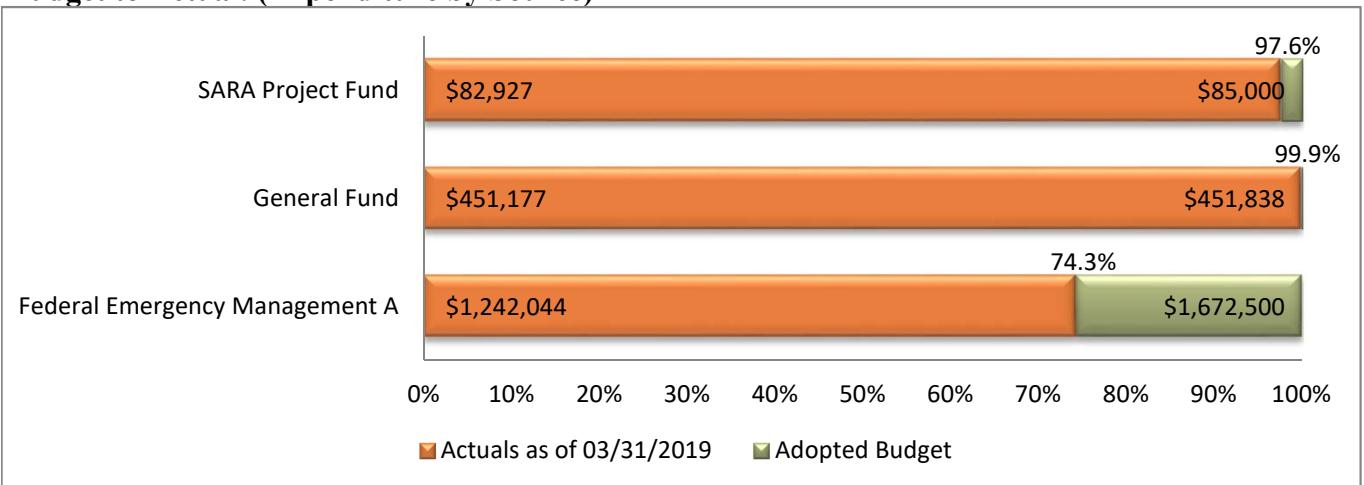
<b>Spending Plan of Total Project Budget</b>					
	Actuals	<u>April 1, 2019</u>		Succeeding	
	as of	to		from	
<b>Expenditures</b>	<u>March 31, 2019</u>	<u>June 2020</u>	<u>2020/21</u>	<u>2021</u>	<u>Total</u>
Personnel	\$ 175,530	\$ 175,469	\$ -	\$ -	\$ 351,000
Other	454,316	318,835	272,770	-	1,045,921
<b>Total</b>	<u>\$ 629,846</u>	<u>\$ 494,304</u>	<u>\$ 272,770</u>	<u>\$ -</u>	<u>\$ 1,396,921</u>



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**



<b>Project Name:</b>	<b>Cooperating Technical Partners (CTP) Development</b>	<b>Project #</b>	<b>0092</b>
Managing Department:	Watershed Engineering		
		Adopted Budget:	\$ 1,757,500
		SARA Contribution:	\$ 451,838
Project Start Date:	7/1/2009	Unfunded Plan:	\$ -
Project Finish Date:	9/30/2020	Total Project:	\$ 2,209,338

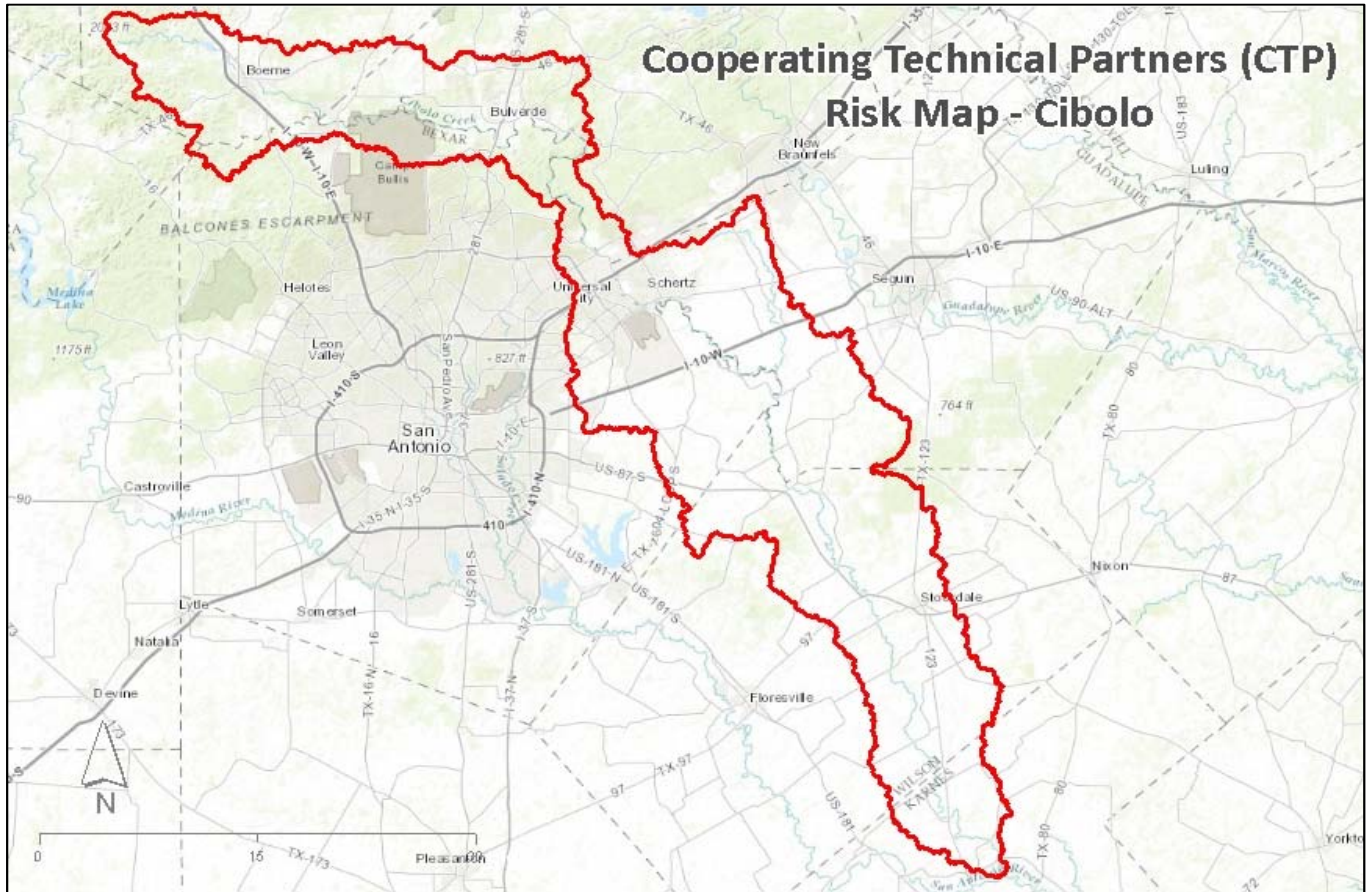
The Cooperating Technical Partner (CTP) Development project supports the River Authority’s Letter of Map Revision (LOMR) and Conditional Letter of Map Revision (CLOMR) reviews. The River Authority is responsible for reviewing all LOMR and CLOMR submittals to the Federal Emergency Management Agency (FEMA). This project secures the Digital Flood Insurance Rate Maps (DFIRM) investment by developing a way to keep the new flood map information up to date and interactive.

Through partnerships, the River Authority shares flood protection and floodplain management responsibilities with communities located within the River Authority's district. Through the River Authority’s technical capabilities and dedicated resources, flood data will be improved and the collection of data expanded to identify and evaluate flood hazards.

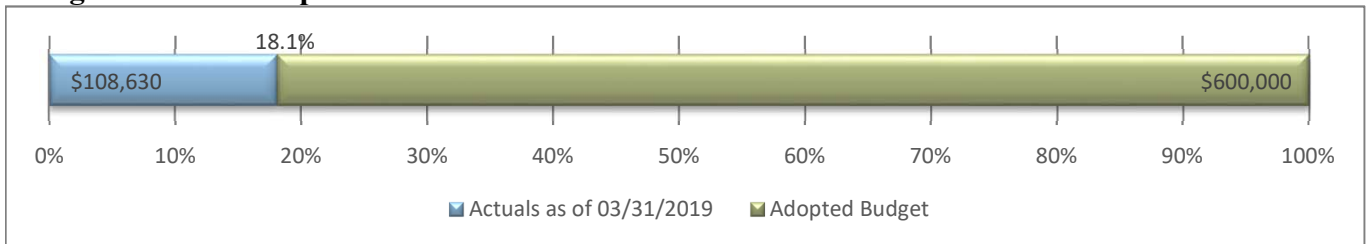
In FY 2019/20, the River Authority will continue the role of FEMA LOMR review partner and will continue reviewing, on behalf of FEMA, all forms for LOMRs and CLOMRs, also referred to as MT 2 submittals by FEMA, within Bexar, Wilson, Karnes and Goliad counties.

<b>Spending Plan of Total Project Budget</b>					
	Actuals	<u>April 1, 2019</u>		Succeeding	
	as of	to		from	
<b>Expenditures</b>	<u>March 31, 2019</u>	<u>June 2020</u>	<u>2020/21</u>	<u>2021</u>	<u>Total</u>
Personnel	\$ 1,075,715	\$ 200,899	\$ 145,789	\$ -	\$ 1,422,404
Professional Services	700,432	86,502	-	-	786,934
Total	<u>\$ 1,776,148</u>	<u>\$ 287,401</u>	<u>\$ 145,789</u>	<u>\$ -</u>	<u>\$ 2,209,338</u>

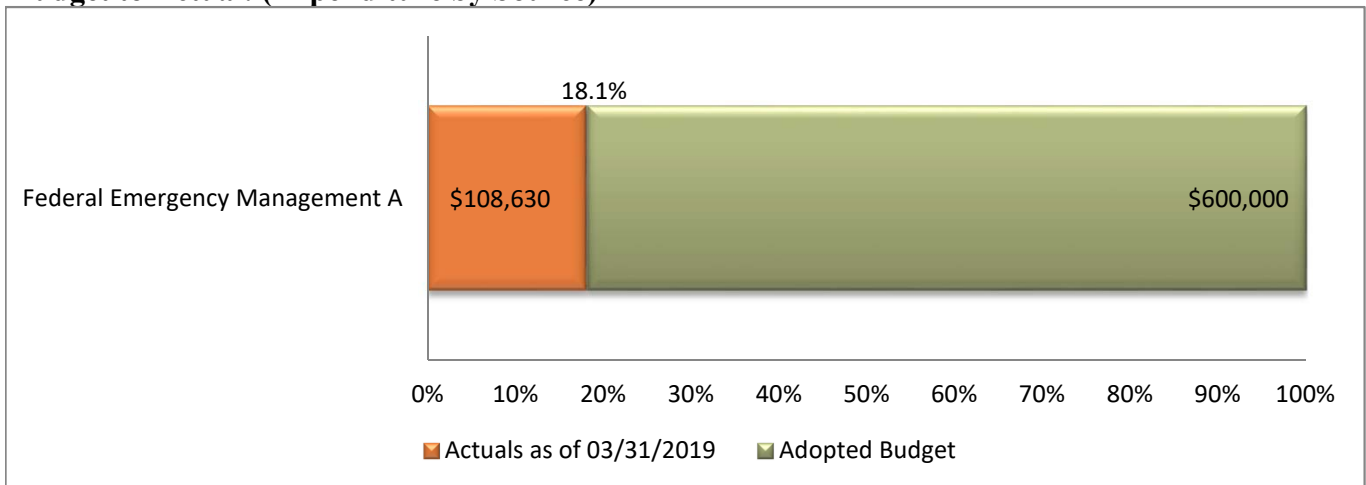
MAP Cibolo



Budget to Actual: Expenditure



Budget to Actual: (Expenditure by Source)



**Cooperating Technical Partners (CTP) Risk**

<b>Project Name:</b>	<b>MAP Cibolo</b>	<b>Project #</b>	<b>0472</b>
Managing Department:	Watershed Engineering		
		Adopted Budget:	\$ 600,000
		SARA Contribution:	\$ -
Project Start Date:	1/1/2015	Unfunded Plan:	\$ -
Project Finish Date:	9/30/2020	Total Project:	\$ 600,000

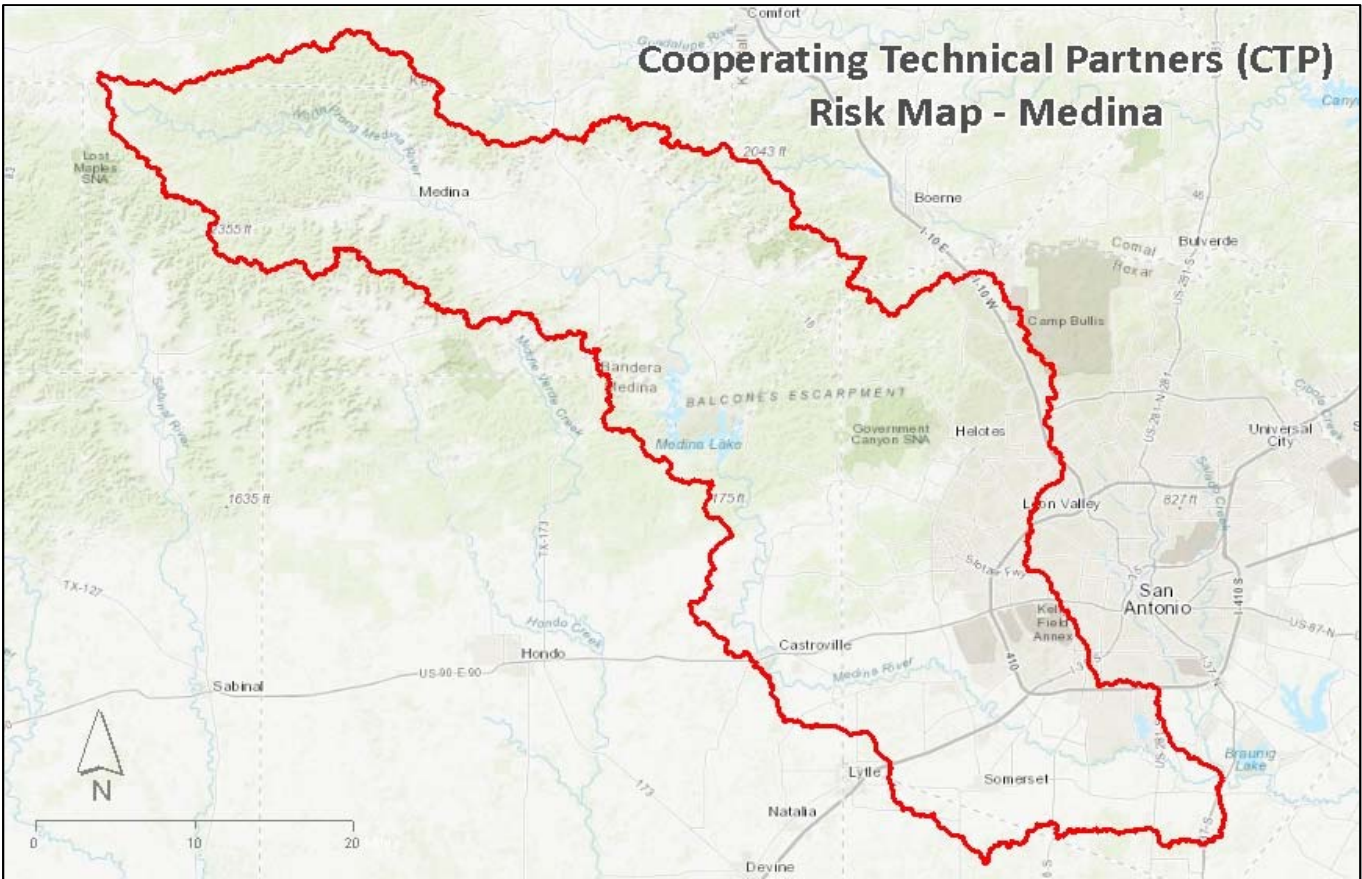
The FEMA Risk Mapping, Assessment and Planning (Risk MAP) program assists communities with assessing flood risks, and encouraging mitigation planning to avoid or minimize damage from future disasters. Through more precise flood maps, risk assessment tools and outreach support, Risk MAP strengthens local ability to make informed decisions about reducing flood risks and advances the River Authority's data and staff expertise.

Utilizing available data, the project will develop new non-regulatory flood risk products, catalog areas of mitigation interest and success, and produce additional Risk MAP products within the Cibolo Creek watershed. The project consist of two phases, with the first being Discovery and the second Risk Identification and Assessment.

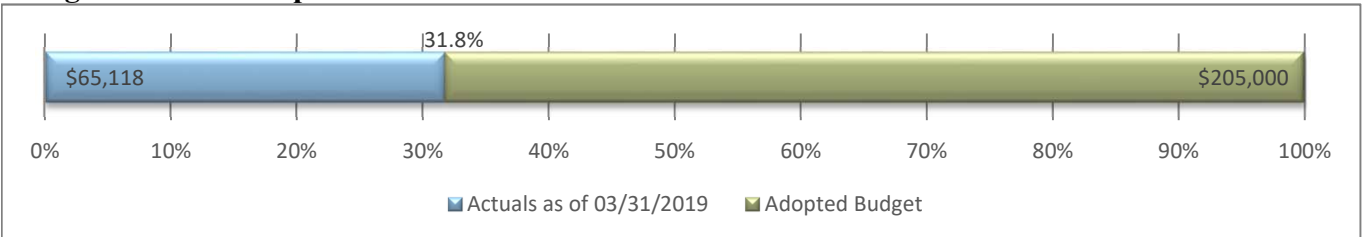
In FY 2019/20, the Upper- Cibolo Creek Risk MAP project will complete all needed survey for existing structures and creation of the terrain that will be used for modeling. Deliverables for this fiscal year will also include hydrologic and hydraulic models, completion of floodplain mapping and the development of flood risk products to update floodplain maps.

**Spending Plan of Total Project Budget**

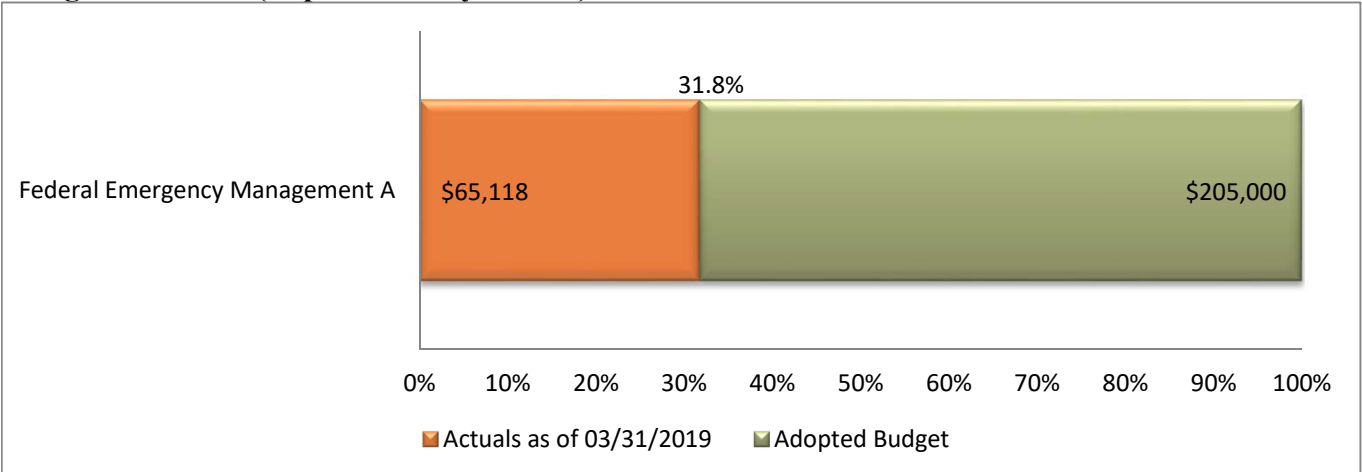
	Actuals as of	<u>April 1, 2019</u> to		Succeeding from	
<b>Expenditures</b>	<u>March 31, 2019</u>	<u>June 2020</u>	<u>2020/21</u>	<u>2021</u>	<u>Total</u>
Personnel	\$ 29,105	\$ 66,425	\$ -	\$ -	\$ 95,530
Professional Services	79,525	424,945	-	-	504,470
<b>Total</b>	<u>\$ 108,630</u>	<u>\$ 491,370</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 600,000</u>



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**



**Cooperating Technical Partner (CTP) -  
FY17 Medina Phase II**

<b>Project Name:</b>	<b>FY17 Medina Phase II</b>	<b>Project #</b>	<b>0597</b>
Managing Department:	Watershed Engineering		
	Adopted Budget:	\$	205,000
	SARA Contribution:	\$	-
Project Start Date:	10/1/2017	Unfunded Plan:	\$ -
Project Finish Date:	10/31/2020	Total Project:	\$ 205,000

The Cooperating Technical Partner (CTP) - FY17 Medina Phase II project focuses on advancing science and engineering expertise and flood data by completing phase II, to include flood risk identification and assessment activities within the Medina River watershed. These activities include floodplain mapping, generating a report, and producing a database for the streams studied under the Federal Emergency Management Agency's (FEMA) Mapping Activity Statement No. 15.

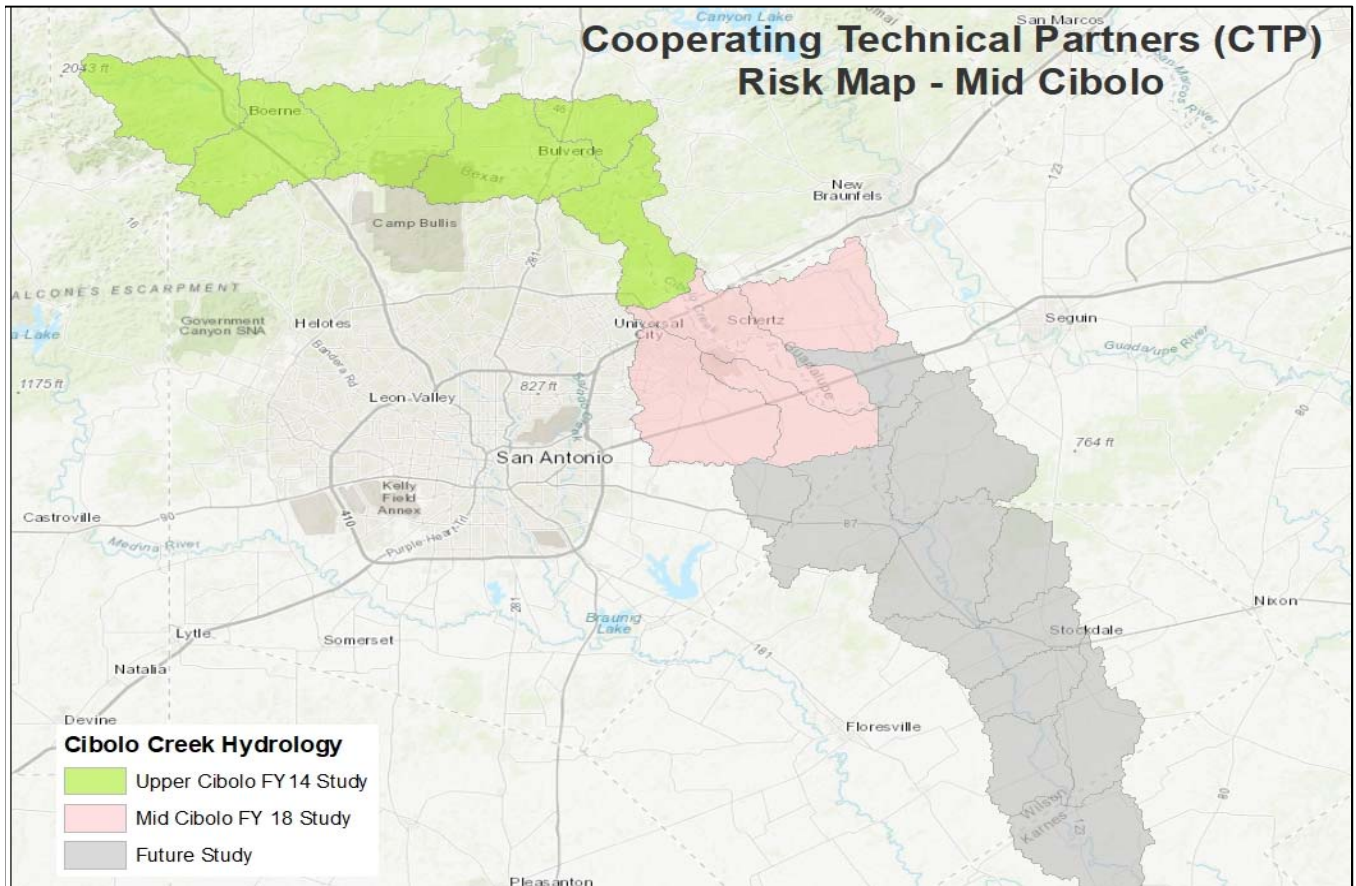
The objective of this project is to develop and support flood hazard data and program-related tasks through completing technical risk analysis and mapping activities within the Medina River watershed. Tools developed from this project will provide communities with flood information and tools they can use to enhance their mitigation plans and strengthen their ability to make informed decisions about reducing flood risk.

Deliverables for FY 2019/20 include the completion of hydrologic and hydraulic models for the streams listed in FEMA's Mapping Activity Statement No. 15. Development of these models is in collaboration with the River Authority's Tributary Modeling project #0074 which serves as the matching funding commitment of \$155,000.

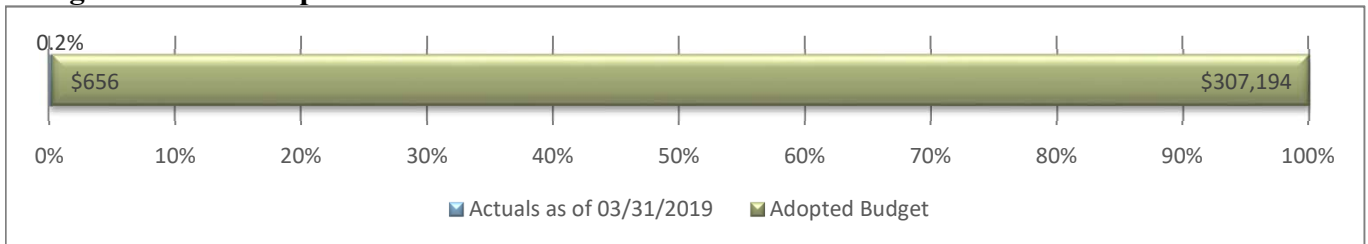
**Spending Plan of Total Project Budget**

	Actuals as of	April 1, 2019 to	2020/21	Succeeding from	Total
<b>Expenditures</b>	<u>March 31, 2019</u>	<u>June 2020</u>	<u>2020/21</u>	<u>2021</u>	<u>Total</u>
Personnel	\$ 6,710	\$ 29,410	\$ -	\$ -	\$ 36,120
Professional Services	58,408	110,472	-	-	168,880
<b>Total</b>	<u>\$ 65,118</u>	<u>\$ 139,882</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 205,000</u>

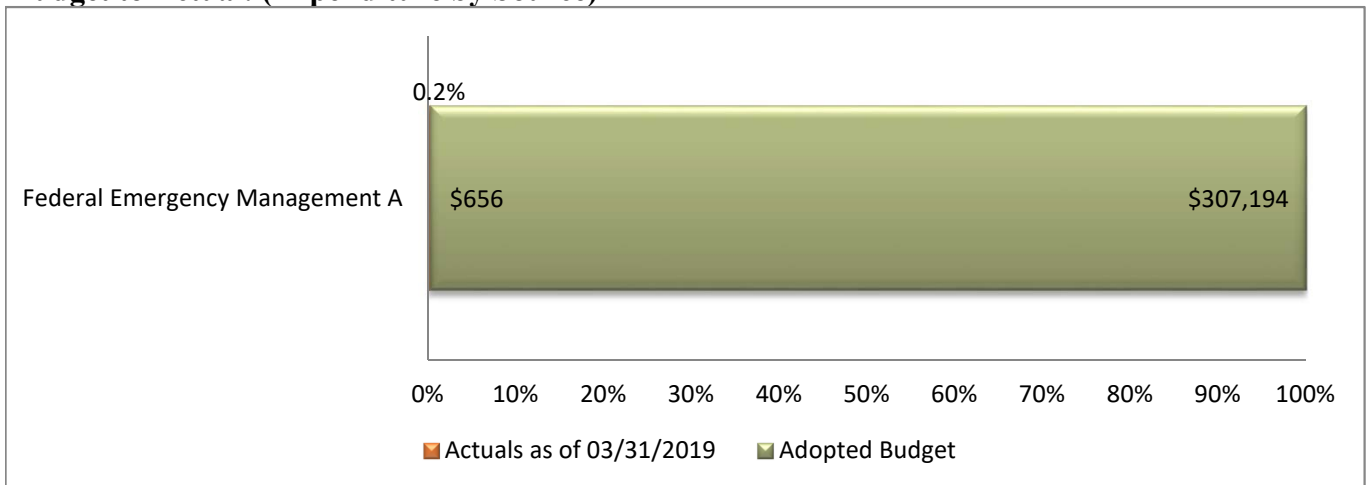




**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**



**Cooperating Technical Partners (CTP)**

<b>Project Name:</b>	<b>Risk MAP-Mid Cibolo</b>	<b>Project #</b>	<b>0620</b>
Managing Department:	Watershed Engineering		
	Adopted Budget:	\$	307,194
	SARA Contribution:	\$	-
Project Start Date:	10/1/2018	Unfunded Plan:	\$ -
Project Finish Date:	9/30/2021	Total Project:	\$ 307,194

The FEMA Risk Mapping, Assessment and Planning (Risk MAP) program assists communities with assessing flood risks, and encouraging mitigation planning to avoid or minimize damage from future disasters. Through more precise flood maps, risk assessment tools and outreach support, Risk MAP strengthens local ability to make informed decisions about reducing flood risks and advances the River Authority's data and staff expertise

Utilizing available data, the project will develop new non-regulatory flood risk products, catalog areas of mitigation interest and success, and produce additional Risk MAP products within the Cibolo Creek watershed. The project consist of two phases, with the first being Discovery and the second Risk Identification and Assessment.

In FY 2019/20, the Risk Map-Mid Cibolo project will complete the survey of existing structures and creation of the terrain for all models. Deliverables for this fiscal year will also include hydrologic and hydraulic models that will be used to create flood risk products.

**Spending Plan of Total Project Budget**

	Actuals as of	<u>April 1, 2019</u> to		Succeeding from	
<b>Expenditures</b>	<u>March 31, 2019</u>	<u>June 2020</u>	<u>2020/21</u>	<u>2021</u>	<u>Total</u>
Personnel	\$ 656	\$ 14,254	\$ -	\$ -	\$ 14,910
Professional Services	-	292,284	-	-	292,284
<b>Total</b>	<u>\$ 656</u>	<u>\$ 306,538</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 307,194</u>

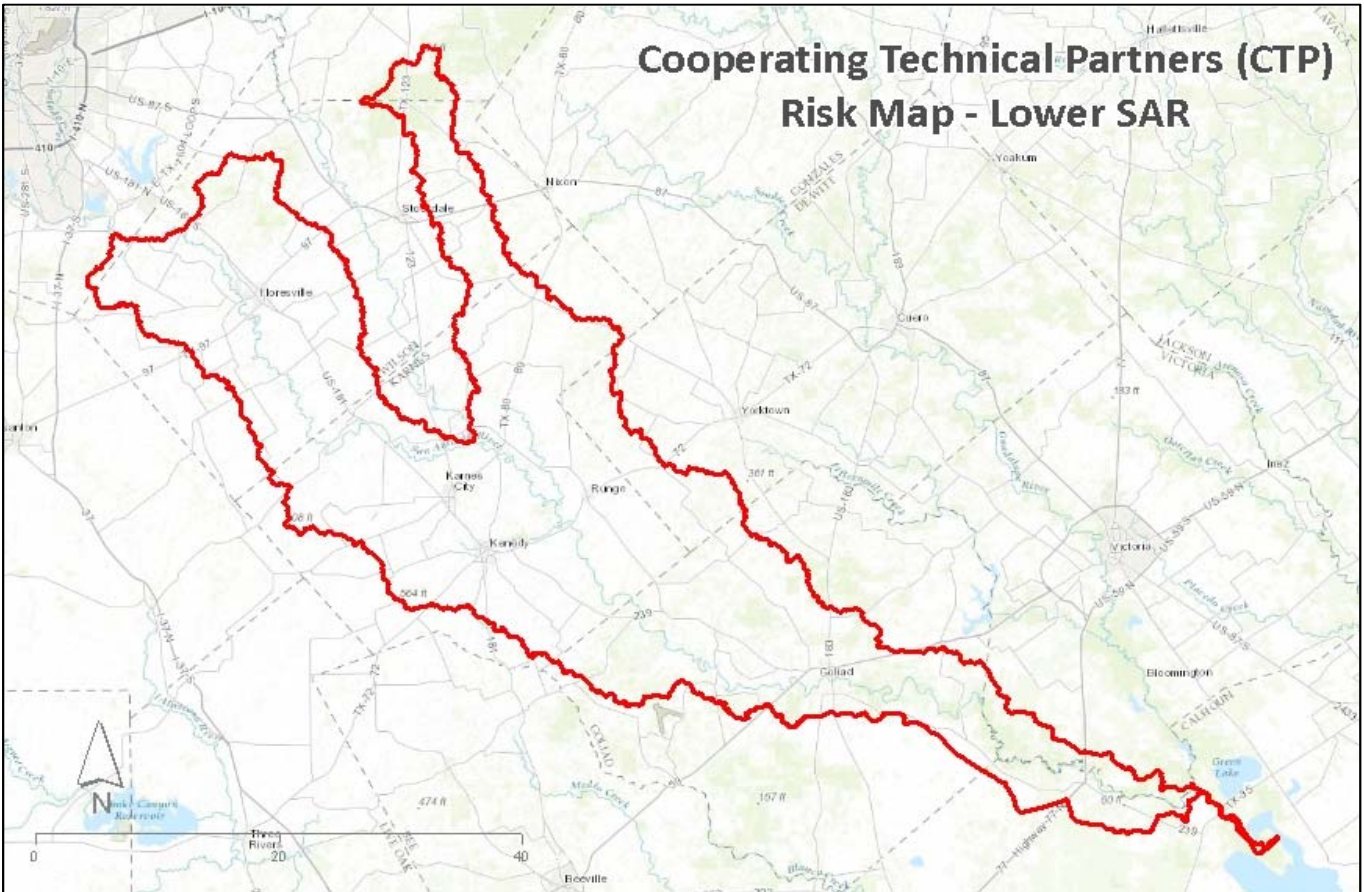
Project Name:

Cooperating Technical Partners (CTP) Risk

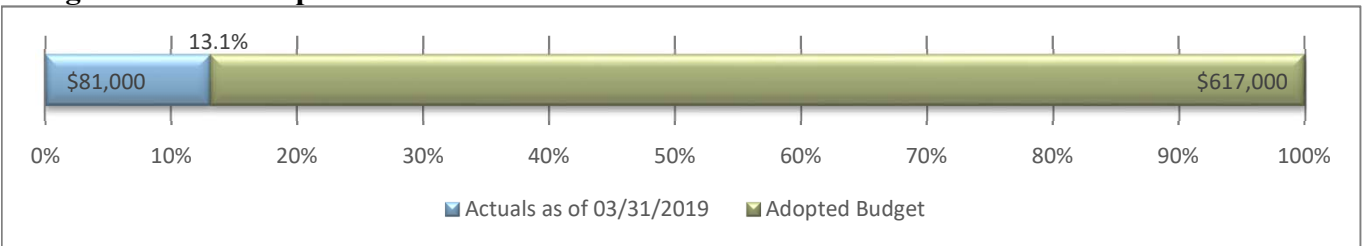
Project #

0520

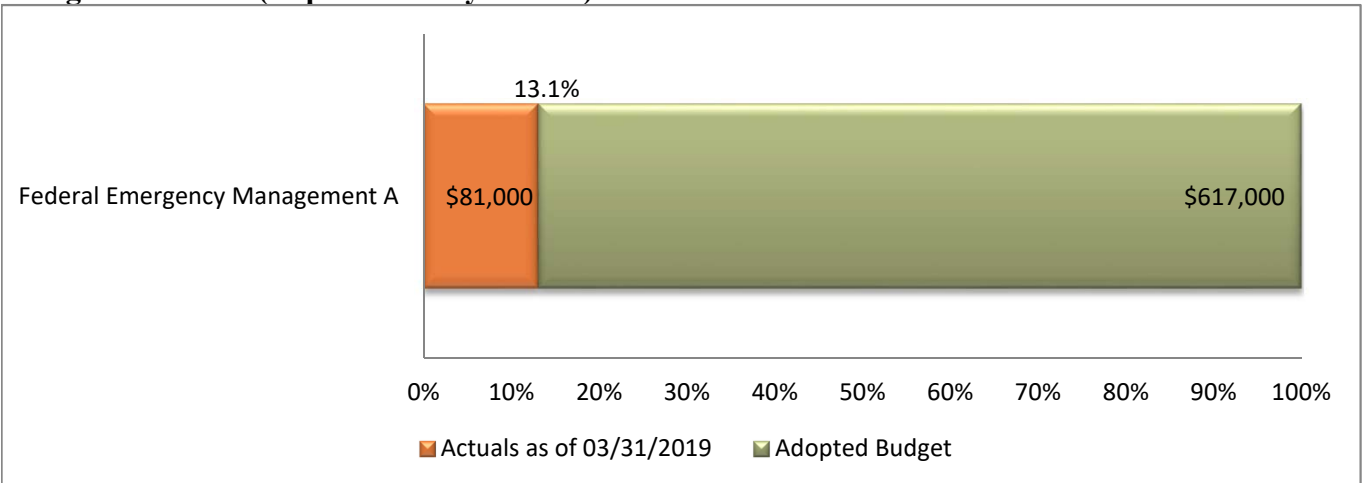
MAP Lower SAR



Budget to Actual: Expenditure



Budget to Actual: (Expenditure by Source)



**Cooperating Technical Partners (CTP) Risk**

<b>Project Name:</b>	<b>MAP Lower SAR</b>	<b>Project #</b>	<b>0520</b>
Managing Department:	Watershed Engineering		
		Adopted Budget:	\$ 617,000
		SARA Contribution:	\$ -
Project Start Date:	1/1/2016	Unfunded Plan:	\$ -
Project Finish Date:	9/30/2021	Total Project:	\$ 617,000

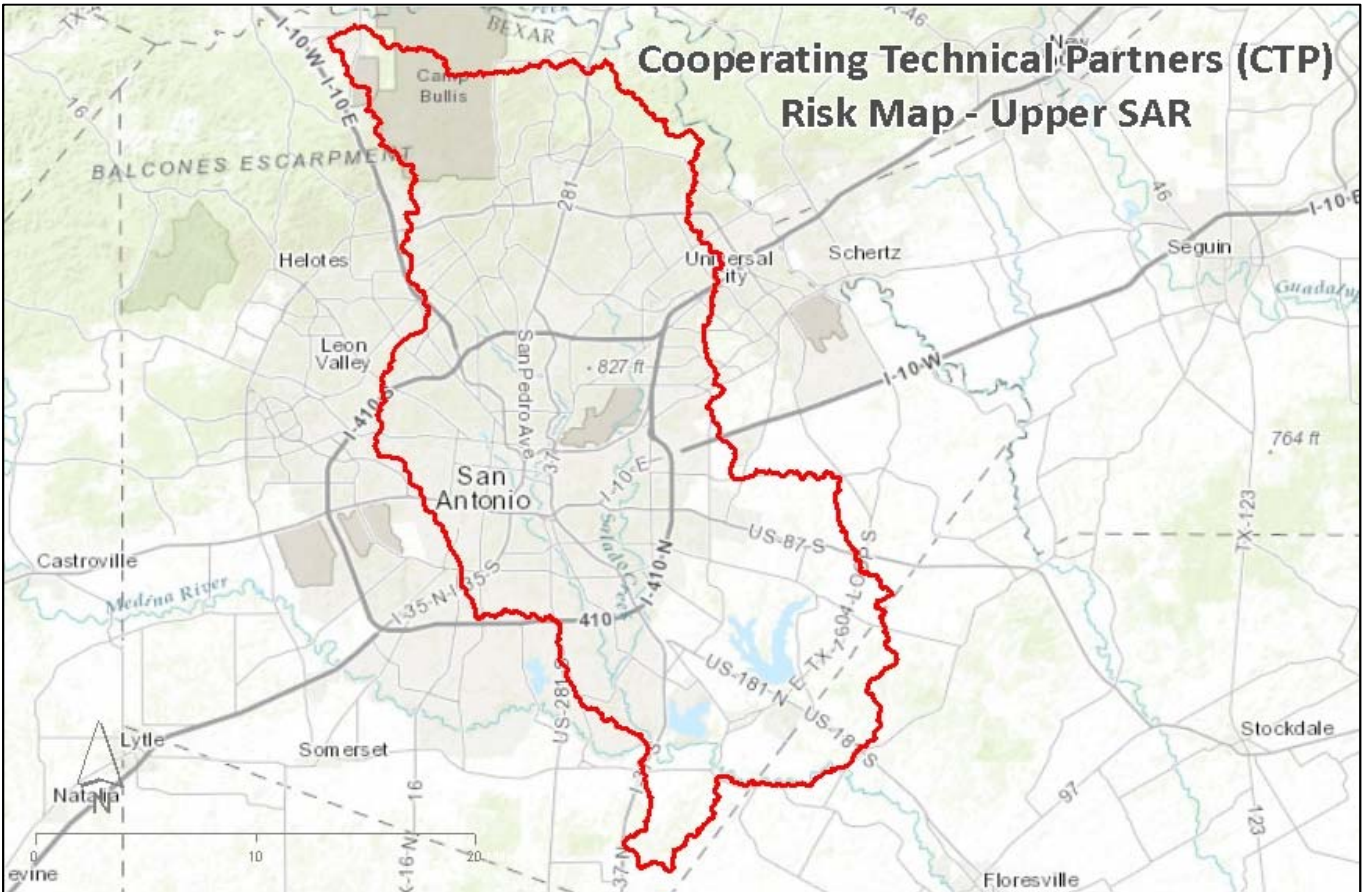
The FEMA Risk Mapping, Assessment and Planning (Risk MAP) program assists communities with assessing flood risks, and encouraging mitigation planning to avoid or minimize damage from future disasters. Through more precise flood maps, risk assessment tools and outreach support, RiskMAP strengthens local ability to make informed decisions about reducing flood risks and advances the River Authority's data and staff expertise.

Utilizing available data, the project will develop new non-regulatory flood risk products, catalog areas of mitigation interest and success, and produce additional Risk MAP products within the Lower San Antonio River watershed. The project consists of two phases, with the first being Discovery and the second Risk Identification and Assessment.

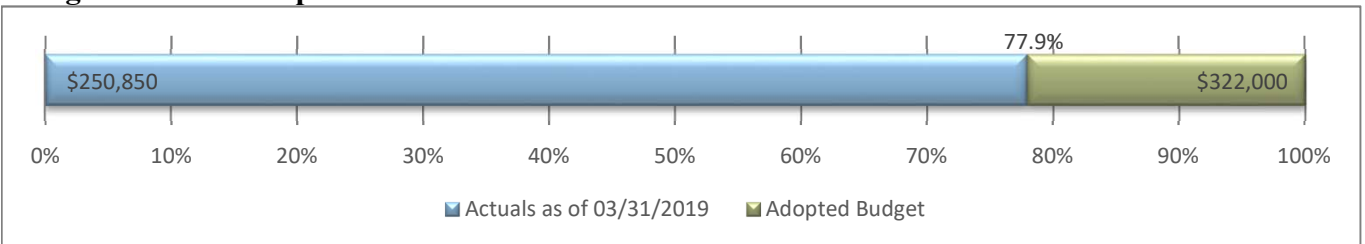
Deliverables for FY 2019/20 include the development of hydrologic and hydraulic data for the streams listed in FEMA's Mapping Activity Statement 11.

**Spending Plan of Total Project Budget**

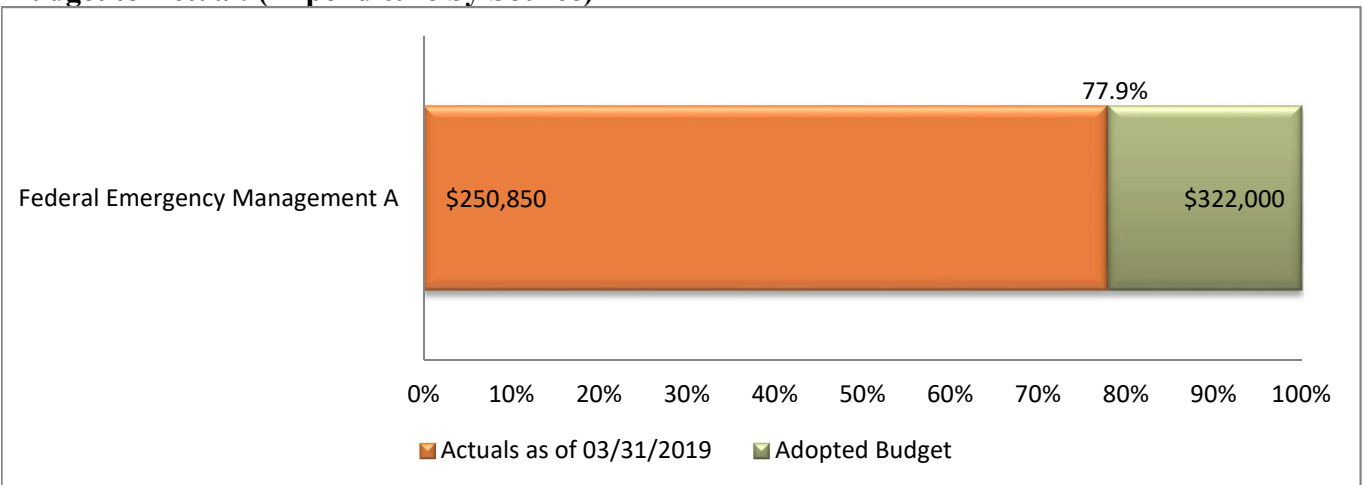
	Actuals as of	<u>April 1, 2019</u> to		Succeeding from	
<b>Expenditures</b>	<u>March 31, 2019</u>	<u>June 2020</u>	<u>2020/21</u>	<u>2021</u>	<u>Total</u>
Personnel	\$ 21,993	\$ 78,629	\$ 30,173	\$ -	\$ 130,794
Professional Services	59,007	390,121	37,078	-	486,206
<b>Total</b>	<u>\$ 81,000</u>	<u>\$ 468,750</u>	<u>\$ 67,251</u>	<u>\$ -</u>	<u>\$ 617,000</u>



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**



**Cooperating Technical Partners (CTP)**

<b>Project Name:</b>	<b>USAR FY2016</b>	<b>Project #</b>	<b>0563</b>
Managing Department:	Watershed Engineering		
		Adopted Budget:	\$ 322,000
		SARA Contribution:	\$ -
Project Start Date:	10/1/2016	Unfunded Plan:	\$ -
Project Finish Date:	9/30/2019	Total Project:	\$ 322,000

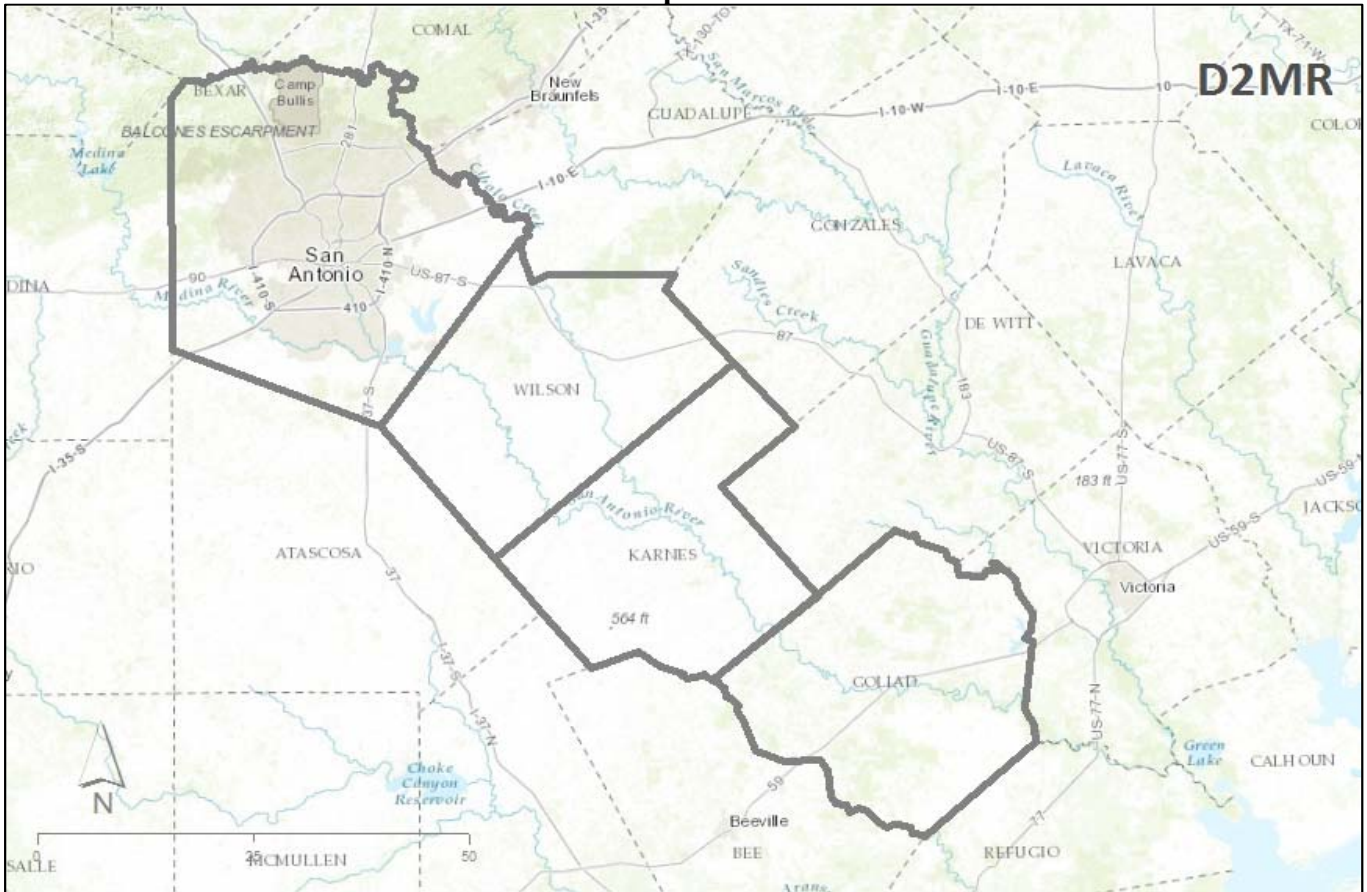
The Cooperating Technical Partner (CTP) USAR FY2016 project focuses on advancing science and engineering expertise and flood data by completing phase II, to include flood risk identification and assessment activities within the Upper San Antonio River watershed. These activities include floodplain mapping, generating a report, and producing a database for the streams studied under the Federal Emergency Management Agency's (FEMA) Mapping Activity Statement No. 13.

The objective of this project is to develop and support flood hazard data and program-related tasks through completing technical risk analysis and mapping activities within the Upper San Antonio River watershed. Tools developed from this project will provide communities with flood information and tools they can use to enhance their mitigation plans and strengthen their ability to make informed decisions about reducing flood risk.

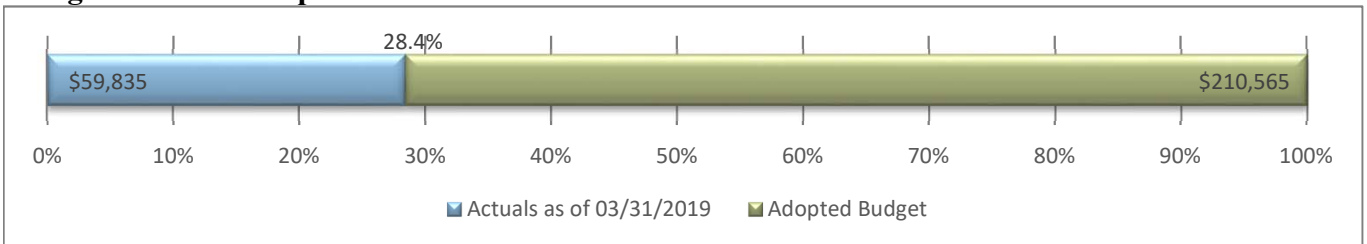
Deliverables for FY 2019/20 include the development of floodplain mapping and flood risk products for the streams listed in FEMA's Mapping Activity Statement No. 13. Development of these products is in collaboration with the River Authority's Tributary Modeling project #0074 which serves as the matching funding commitment of \$173,479.

**Spending Plan of Total Project Budget**

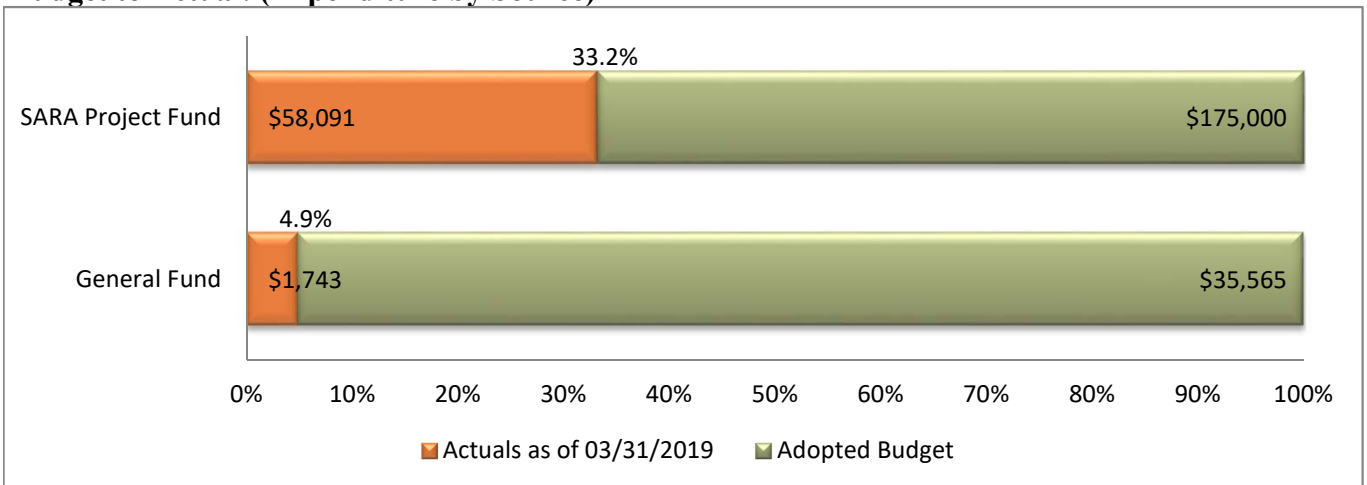
	Actuals as of	<u>April 1, 2019</u> to		Succeeding from	
<b>Expenditures</b>	<u>March 31, 2019</u>	<u>June 2020</u>	<u>2020/21</u>	<u>2021</u>	<u>Total</u>
Personnel	\$ 9,602	\$ 1,266	\$ -	\$ -	\$ 10,868
Professional Services	244,315	66,817	-	-	311,132
<b>Total</b>	<u>\$ 253,918</u>	<u>\$ 68,083</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 322,000</u>



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**



**Project Name:** Digital Data and Model Repository (D2MR) - **Project #** 0578  
**ReDevelopment**

Managing Department: Information Technology

	Adopted Budget:	\$	175,000
	SARA Contribution:	\$	35,565
Project Start Date:	7/1/2017	Unfunded Plan:	\$ -
Project Finish Date:	6/30/2020	Total Project:	\$ 210,565

The Digital Data & Model Repository (D2MR) Redevelopment project focuses on building a new web application for discovery and accessibility to the River Authority’s hydraulic and hydrology modeling data in support of the River Authority’s LOMR Delegation Program and OpenData initiatives. The engineering community will be able to easily download the required models and supporting data to begin the FEMA C/LOMR process, upload a FEMA CLOMR study for FEMA review, inform users of overlapping studies based on information provided at the time of a request, and allow for the storage and distribution of the baseline model and all the required models for a C/LOMR in the study area.

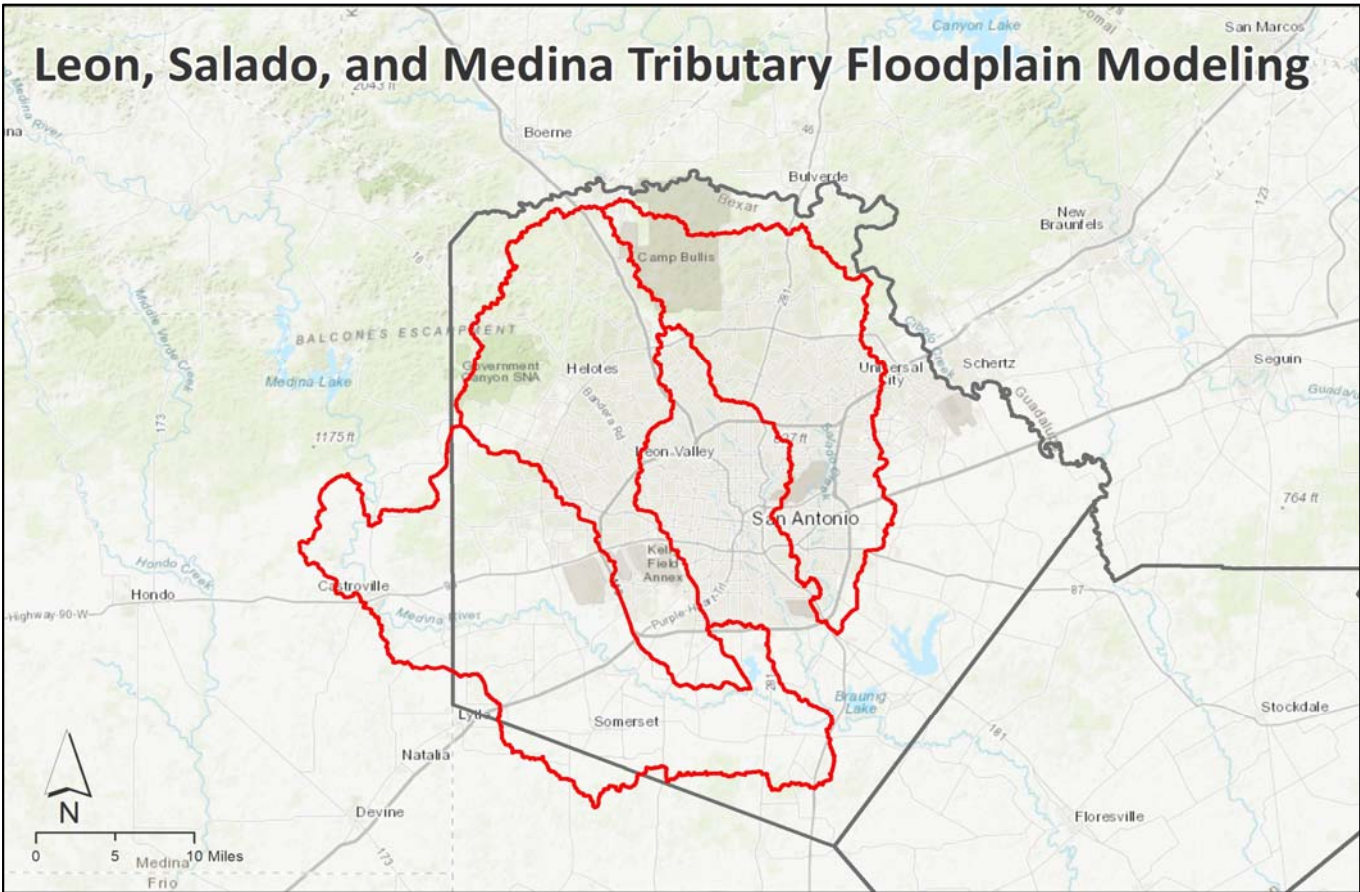
The project will revisit the storage solutions, modeling data organization, and available data technologies that would allow for optimized storage and reduce long-term management. The project will also seek to decouple core components so they become focused and tuned for performance and optimal functionality. This will allow for widespread integration through the web and desktop environments. The key technology objectives of this project include: increasing accessibility to our modeling data, enhancing search-ability of our modeling repository, optimizing web performance for mobile and tablet devices, and reengineering the user experience for external users and SARA administrators. The key business objectives of the project will include: enhanced administrative features for tracking, reporting specifically in support of LOMR delegation and SARA’s modeling activities, integration with ArcGIS Online infrastructure for streamlined geospatial data management, and development of new enhanced features that would allow end-users to explore and utilizing our data through RESTful data services.

In FY 2017/18, the project focused on the contractor selection and beginning of Phase 1 (user interface design and feedback). In FY 2018/19, the project will incorporate the feedback from interested parties on the User Interface (UI) to then move into Phase 2 and develop the overarching application. The final timeline to completion will be negotiated with the selected contractor.

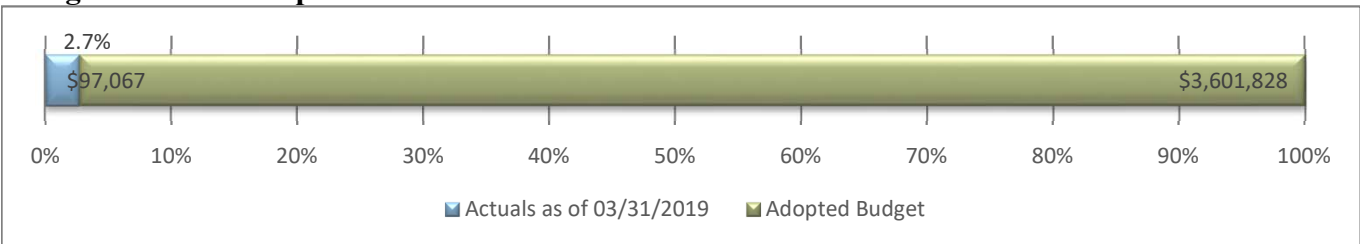
**Spending Plan of Total Project Budget**

<b>Expenditures</b>	Actuals	<u>April 1, 2019</u>		Succeeding	
	as of	to		from	
	<u>March 31, 2019</u>	<u>June 2020</u>	<u>2020/21</u>	<u>2021</u>	<u>Total</u>
Personnel	\$ 1,743	\$ 33,822	\$ -	\$ -	\$ 35,565
Professional Services	58,091	116,909	-	-	175,000
<b>Total</b>	<b>\$ 59,835</b>	<b>\$ 150,730</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 210,565</b>

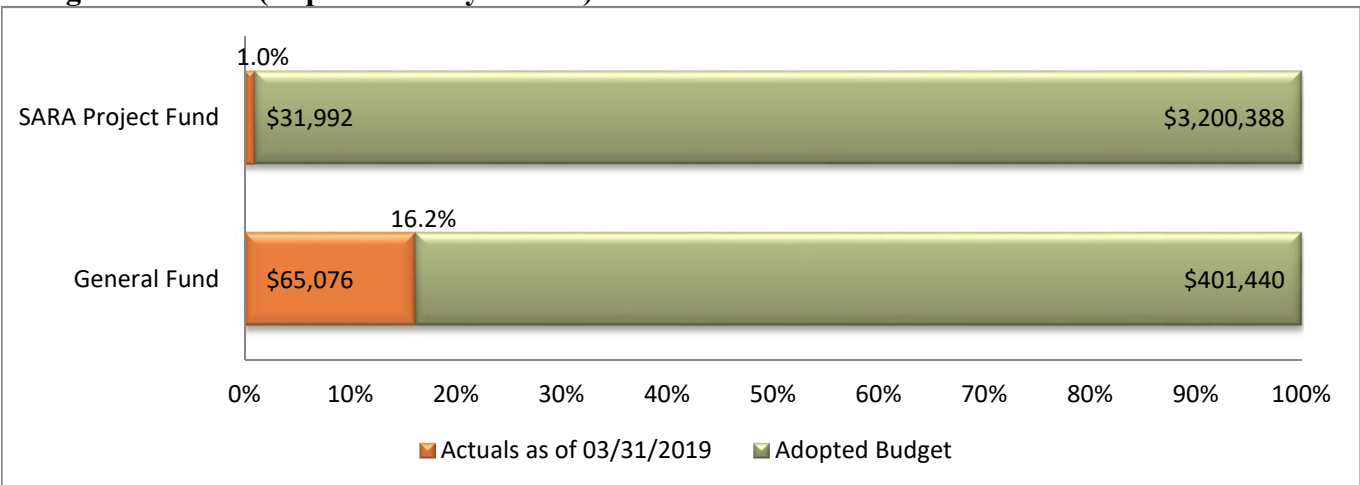




**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**



**Project Name:** Floodplain Remapping 2018 - Leon, Salado, and Medina Watersheds **Project #** 0600

Managing Department: Watershed Engineering

		Adopted Budget:	\$ 3,200,387
		SARA Contribution:	\$ 401,440
Project Start Date:	6/11/2018	Unfunded Plan:	\$ 808,656
Project Finish Date:	6/30/2021	Total Project:	\$ 4,410,483

The Floodplain Remapping project will enhance the community's floodplain science and engineering data through a restudy and updating of floodplain maps for Leon Creek, Salado Creek, and selected Medina River tributaries within Bexar County. With updated floodplain models and maps, the River Authority is better equipped to communicate flood risks to the communities and support partner agencies with project planning and prioritization.

The River Authority's investment will incorporate current land use and topographic data, newer technology, updated rainfall data, and current FEMA standards to update the inventory of models developed as part of FEMA's Map Modernization Program. Engineering studies will produce updated floodplains and flood risk data.

In FY 2019/20, studies in the Leon, Salado, and Medina watersheds will continue. With survey and terrain processing completed in FY 2018/19, studies proceed with hydrologic and hydraulic model development, floodplain mapping, and flood risk product development. Deliverables include revised hydrologic and hydraulic models, updated floodplain maps, flood risk products, and supporting floodplain documents.

New funding for FY 2019/20 is \$1,000,000.

**Spending Plan of Total Project Budget**

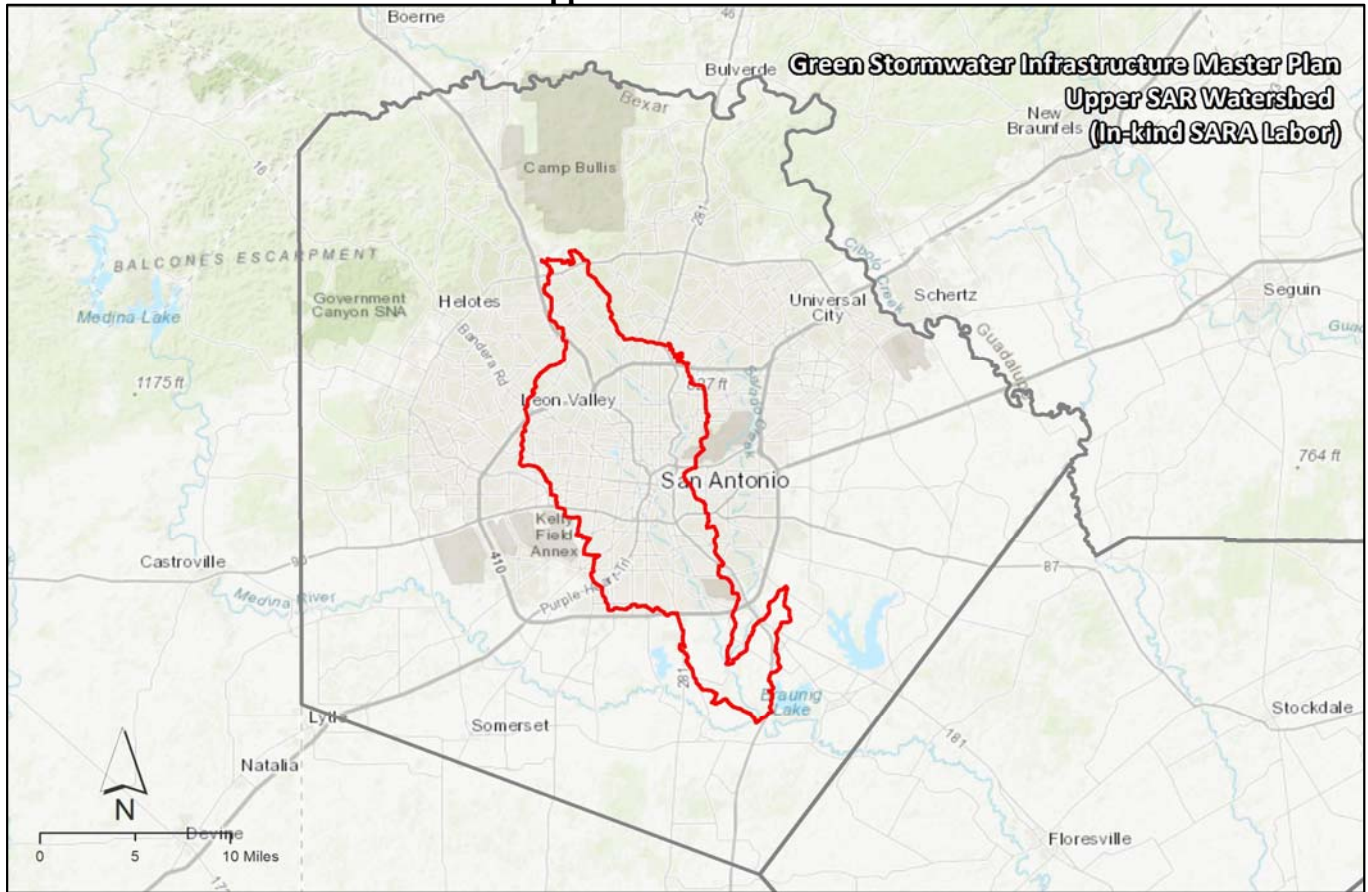
<b>Expenditures</b>	Actuals	<u>April 1, 2019</u>		Succeeding	<u>Total</u>
	as of	to	2020/21	from	
	<u>March 31, 2019</u>	<u>June 2020</u>		<u>2021</u>	
Personnel	\$ 65,076	\$ 244,163	\$ 92,201	\$ -	\$ 401,440
Other	31,992	3,168,397	808,656	-	4,009,043
<b>Total</b>	<u>\$ 97,067</u>	<u>\$ 3,412,560</u>	<u>\$ 900,857</u>	<u>\$ -</u>	<u>\$ 4,410,483</u>

Project Name:

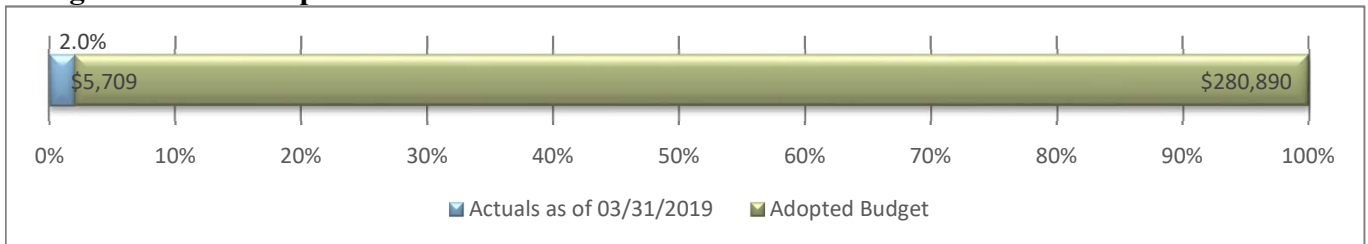
Green Stormwater Infrastructure Master Plan: Upper SAR Watershed

Project #

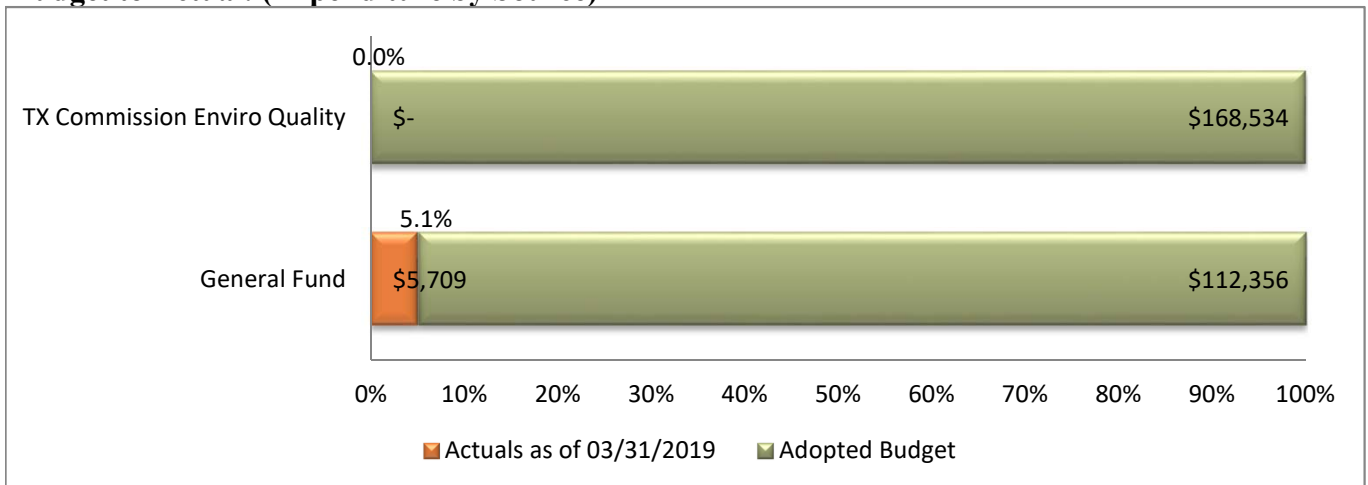
0601



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**



**Project Name:** Green Stormwater Infrastructure Master **Project #** 0601  
**Plan: Upper SAR Watershed**

Managing Department: Environmental Sciences

		Adopted Budget:	\$	168,534
		SARA Contribution:	\$	112,356
Project Start Date:	9/26/2018	Unfunded Plan:	\$	-
Project Finish Date:	10/29/2021	Total Project:	\$	280,890

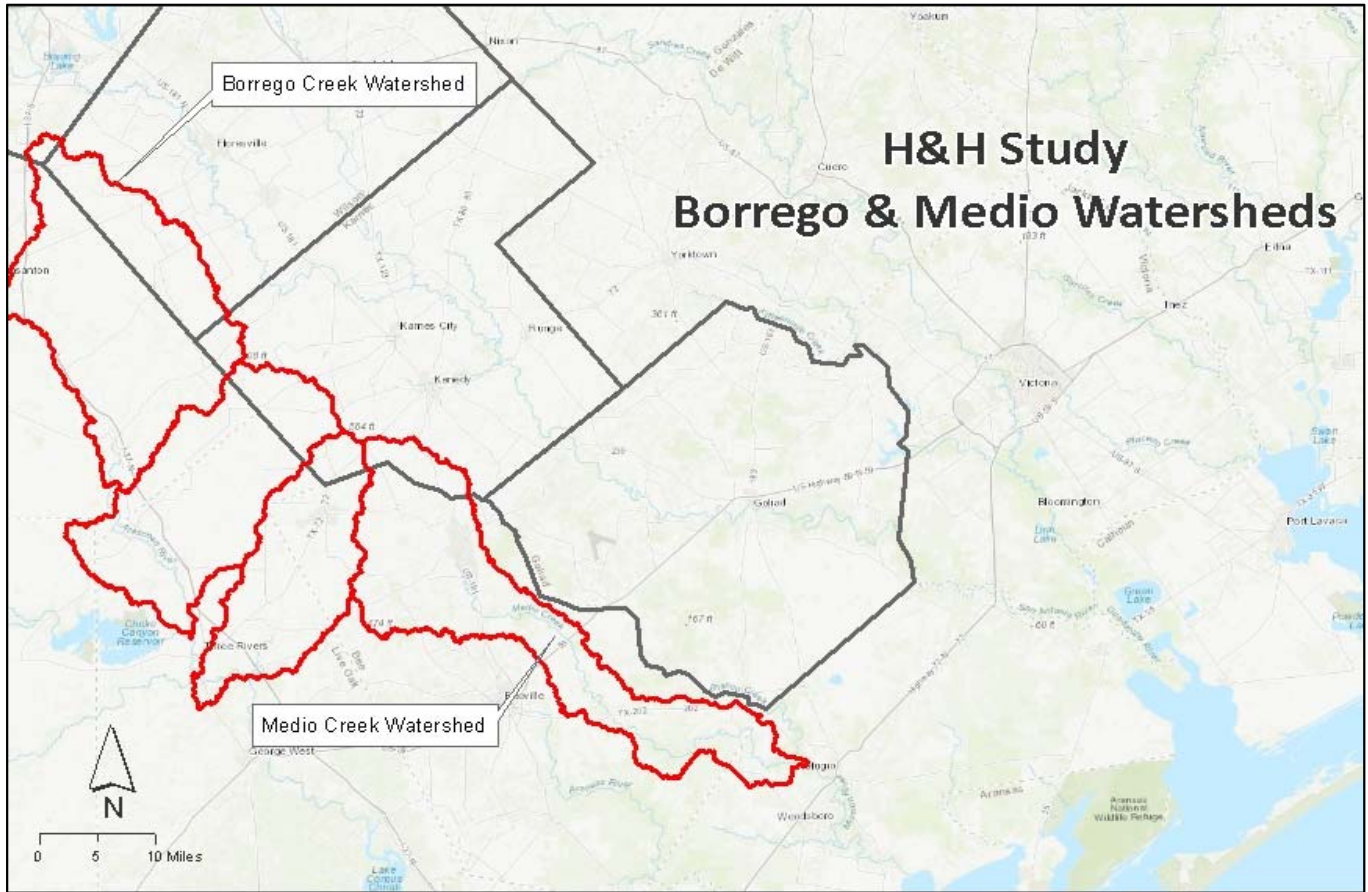
The Green Stormwater Infrastructure (GSI) Master Plan for the Upper SAR Watershed project will build off River Authority investments in modeling and watershed master planning, and will direct decision-makers on where and how to apply limited resources in the upcoming years to maximize water quality benefits. The plan will integrate water quality with water quantity concerns, providing recommendations on best practices that can achieve both.

The project will build off the Upper SAR Watershed Protection Plan (WPP), watershed Master Plans, and the Watershed Master Plan Integration projects. The plan will also integrate water quality with water quantity concerns, and provide recommendations on best practices to maximize water quality benefits. The plan is envisioned to serve as a template that can be adopted for use in other watersheds.

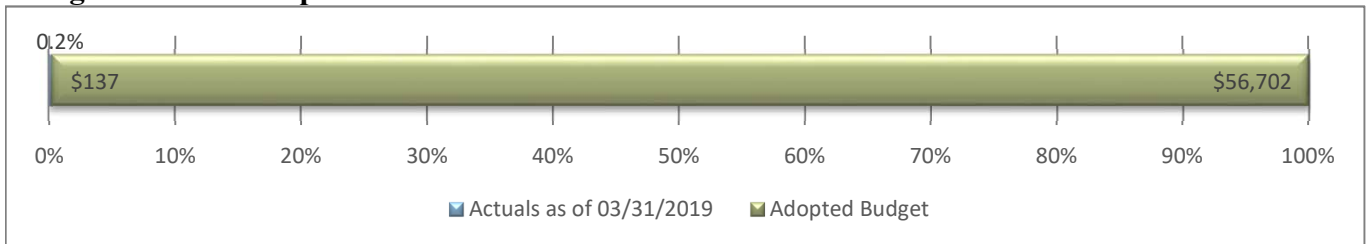
FY 2019/20, River Authority staff time will continue to serve as the grant match. Staff will administer the project and conduct quality assurance, analysis and stakeholder engagement. Project administration in this fiscal year includes initiation of the project plan, establishing data quality objectives (DQOs), quality assurance/quality control (QA/QC) activities, and analysis of the River Authority's existing data and modeling tools to identify water quality priority areas, supplemental model development, GSI opportunities, costs of those opportunities, and GSI prioritization based on criteria.

**Spending Plan of Total Project Budget**

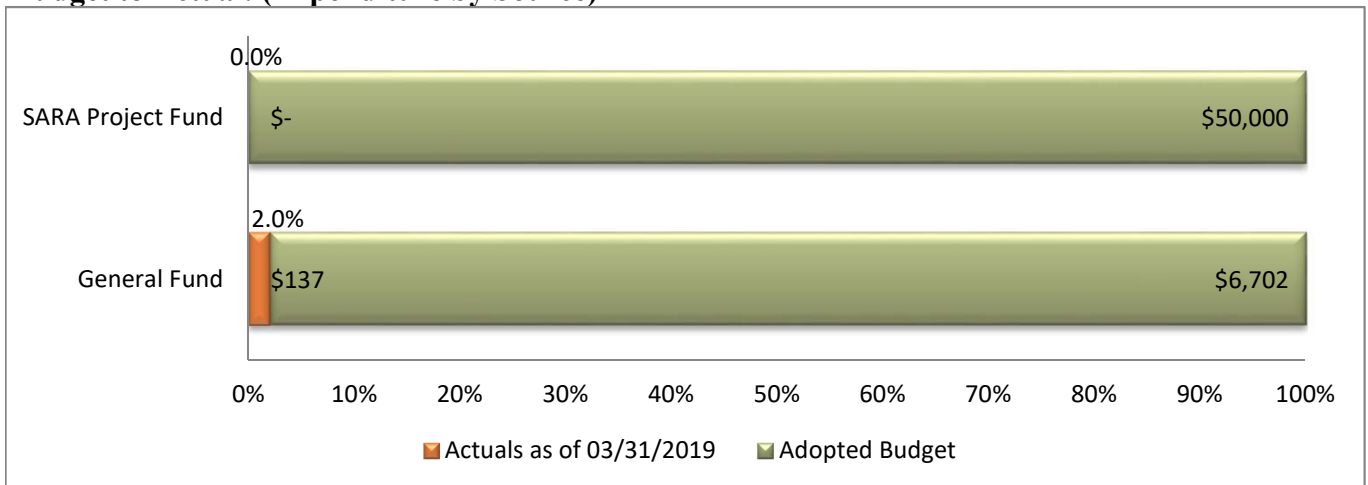
<b>Expenditures</b>	Actuals	<u>April 1, 2019</u>	<u>2020/21</u>	Succeeding	<u>Total</u>
	as of	to		from	
	<u>March 31, 2019</u>	<u>June 2020</u>		<u>2021</u>	
Personnel	\$ 5,709	\$ 26,003	\$ 60,987	\$ 19,657	\$ 112,356
Contracted & Other Services	-	168,534	-	-	168,534
<b>Total</b>	<u>\$ 5,709</u>	<u>\$ 194,537</u>	<u>\$ 62,487</u>	<u>\$ 19,657</u>	<u>\$ 280,890</u>



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**



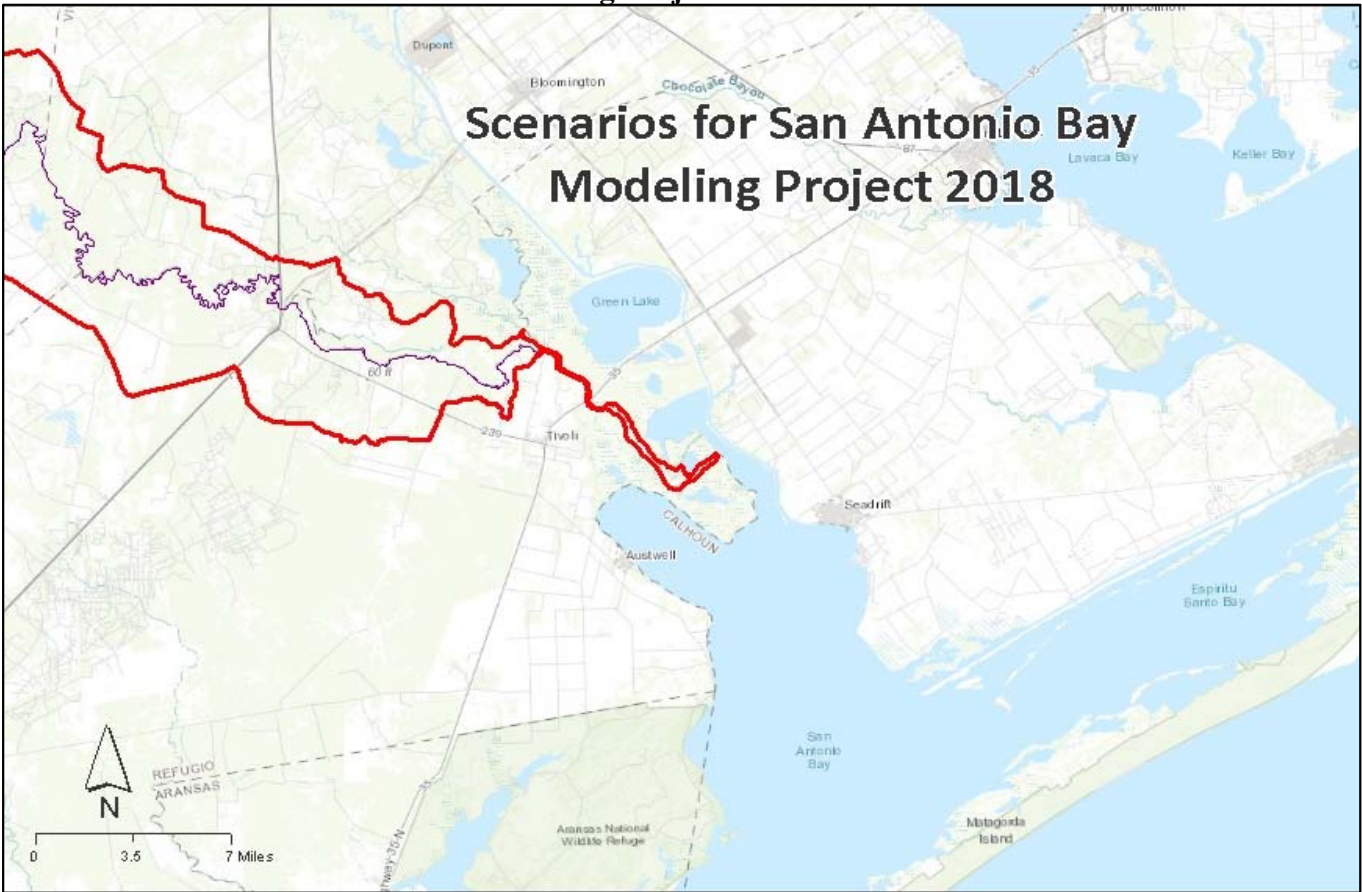
<b>Project Name:</b>	<b>H&amp;H Study - Borrego to Medio</b>	<b>Project #</b>	<b>0604</b>
Managing Department:	Watershed Engineering		
		Adopted Budget:	\$ 50,000
		SARA Contribution:	\$ 6,702
Project Start Date:	7/2/2018	Unfunded Plan:	\$ -
Project Finish Date:	12/17/2019	Total Project:	\$ 56,702

The Hydrologic and Hydraulic (H&H) Study will enhance the River Authority’s technical and science based data for streams in Wilson and Karnes Counties outside of the San Antonio River basin. The study will apply FEMA’s Base Level Engineering standards to study tributaries to Borrego, Weedy, Sulphur and Medio Creeks in Wilson and Karnes Counties.

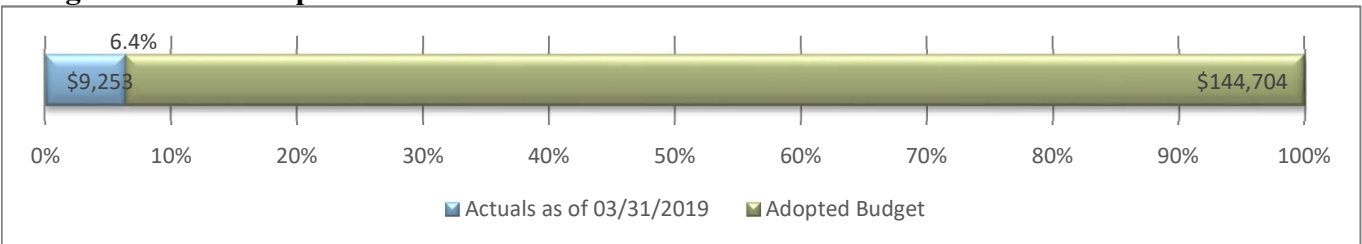
With basic hydrology and hydraulics information based on the current terrain, estimates of a revised floodplain will be produced to compare with the effective floodplain. Areas that show significant differences can then be identified and prioritized for detailed study and mapping updates at a future time.

In FY 2019/20, FEMA’s Base Level Engineering hydraulic models and draft floodplains will be developed for streams in the Borrego, Weedy, Sulphur, and Medio Creek sub watersheds in Wilson and Karnes Counties.

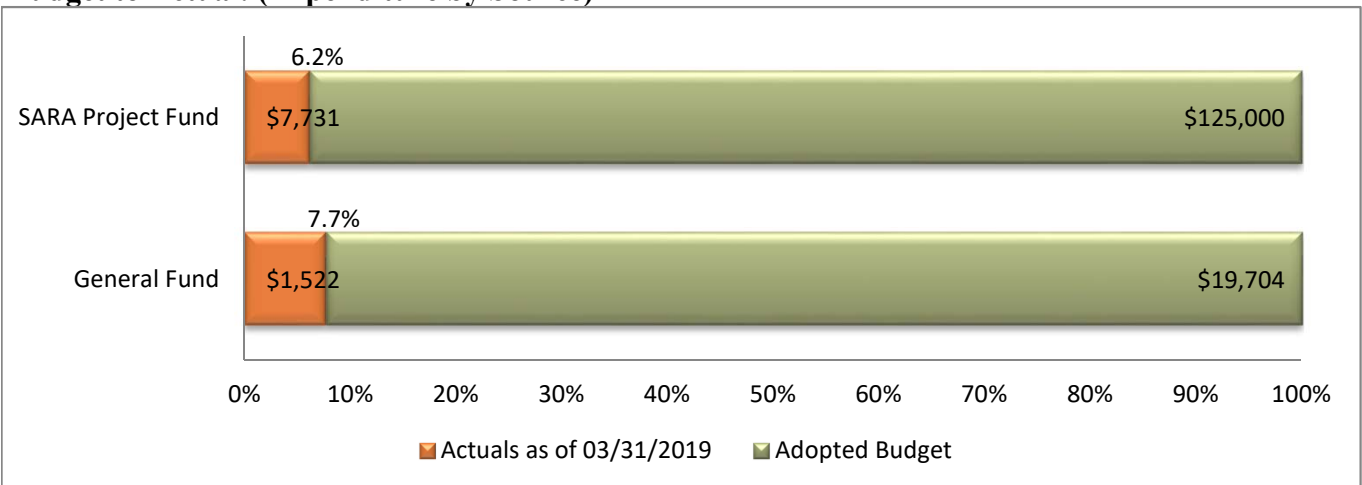
<b>Spending Plan of Total Project Budget</b>					
	Actuals as of	<u>April 1, 2019</u> to		Succeeding from	
<b>Expenditures</b>	<u>March 31, 2019</u>	<u>June 2020</u>	<u>2020/21</u>	<u>2021</u>	<u>Total</u>
Personnel	\$ 137	\$ 6,565	\$ -	\$ -	\$ 6,702
Other	-	50,000	-	-	50,000
<b>Total</b>	<u>\$ 137</u>	<u>\$ 56,565</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 56,702</u>



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**



**Project Name: Inflow Scenarios for San Antonio Bay Modeling Project 2018** **Project # 0605**

Managing Department: Environmental Sciences

		Adopted Budget:	\$	125,000
		SARA Contribution:	\$	19,704
Project Start Date:	9/11/2018	Unfunded Plan:	\$	-
Project Finish Date:	12/31/2019	Total Project:	\$	144,704

The Inflow Scenarios for San Antonio Bay Modeling Project will provide science and engineering data that will be used to evaluate strategies to implement in out years that support the overall San Antonio Bay ecosystem.

This project will evaluate potential effects of changes in freshwater flows in the San Antonio Bay on the marsh vegetation. The study will simulate ten different flow-input scenarios and evaluate the response of various marsh plant communities. Each scenario will consider a discharge scenario of the Guadalupe River combined with a specific rainfall.

In FY 2019/20, a draft and final report will be produced.

**Spending Plan of Total Project Budget**

<b>Expenditures</b>	Actuals	<u>April 1, 2019</u>	<u>2020/21</u>	Succeeding	<u>Total</u>
	as of	to		from	
	<u>March 31, 2019</u>	<u>June 2020</u>		<u>2021</u>	
Personnel	\$ 1,522	\$ 18,182	\$ -	\$ -	\$ 19,704
Other	7,731	117,269	-	-	125,000
<b>Total</b>	<u>\$ 9,253</u>	<u>\$ 135,451</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 144,704</u>

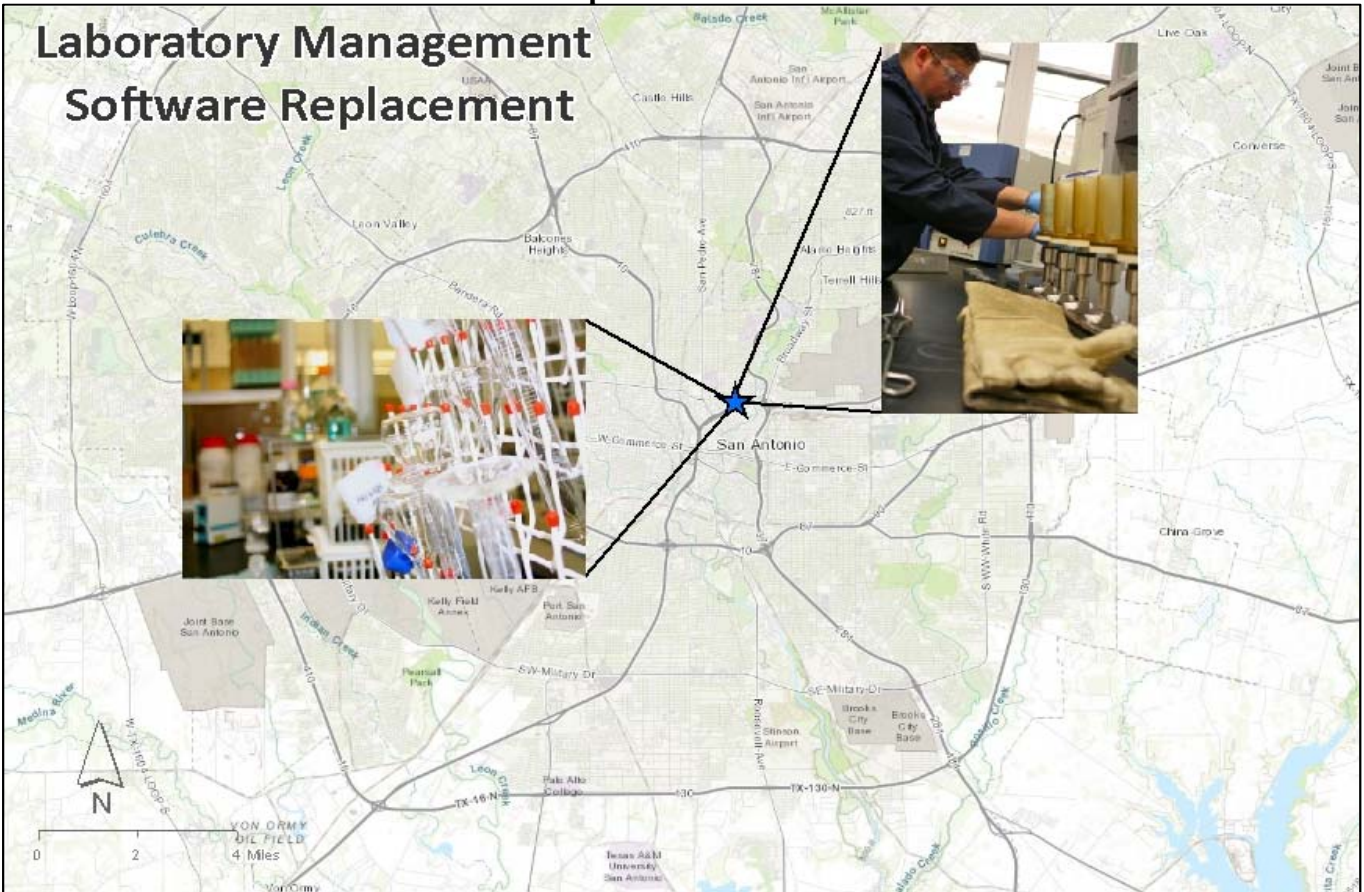


Project Name:

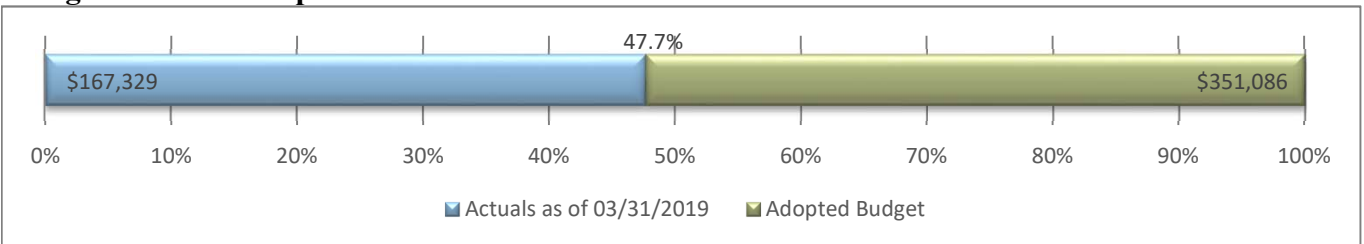
Laboratory Management Software Replacement

Project #

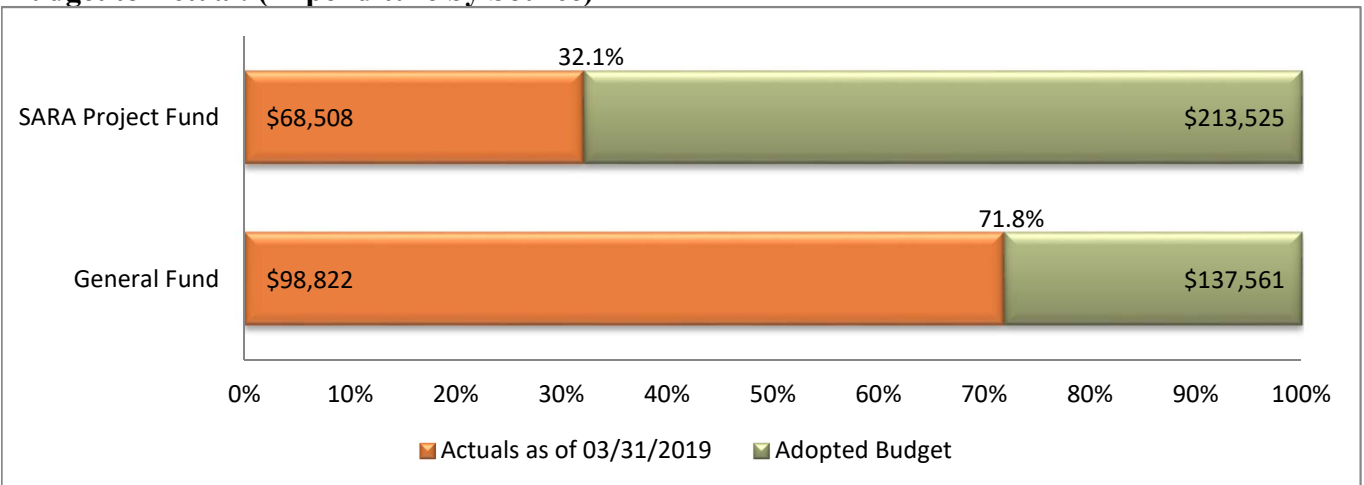
0537



Budget to Actual: Expenditure



Budget to Actual: (Expenditure by Source)



**Project Name:**                      **Laboratory Management Software**                      **Project #**                      **0537**  
**Replacement**

Managing Department: Environmental Sciences

		Adopted Budget:	\$	213,525
		SARA Contribution:	\$	137,561
Project Start Date:	7/1/2016	Unfunded Plan:	\$	-
Project Finish Date:	6/30/2019	Total Project:	\$	351,086

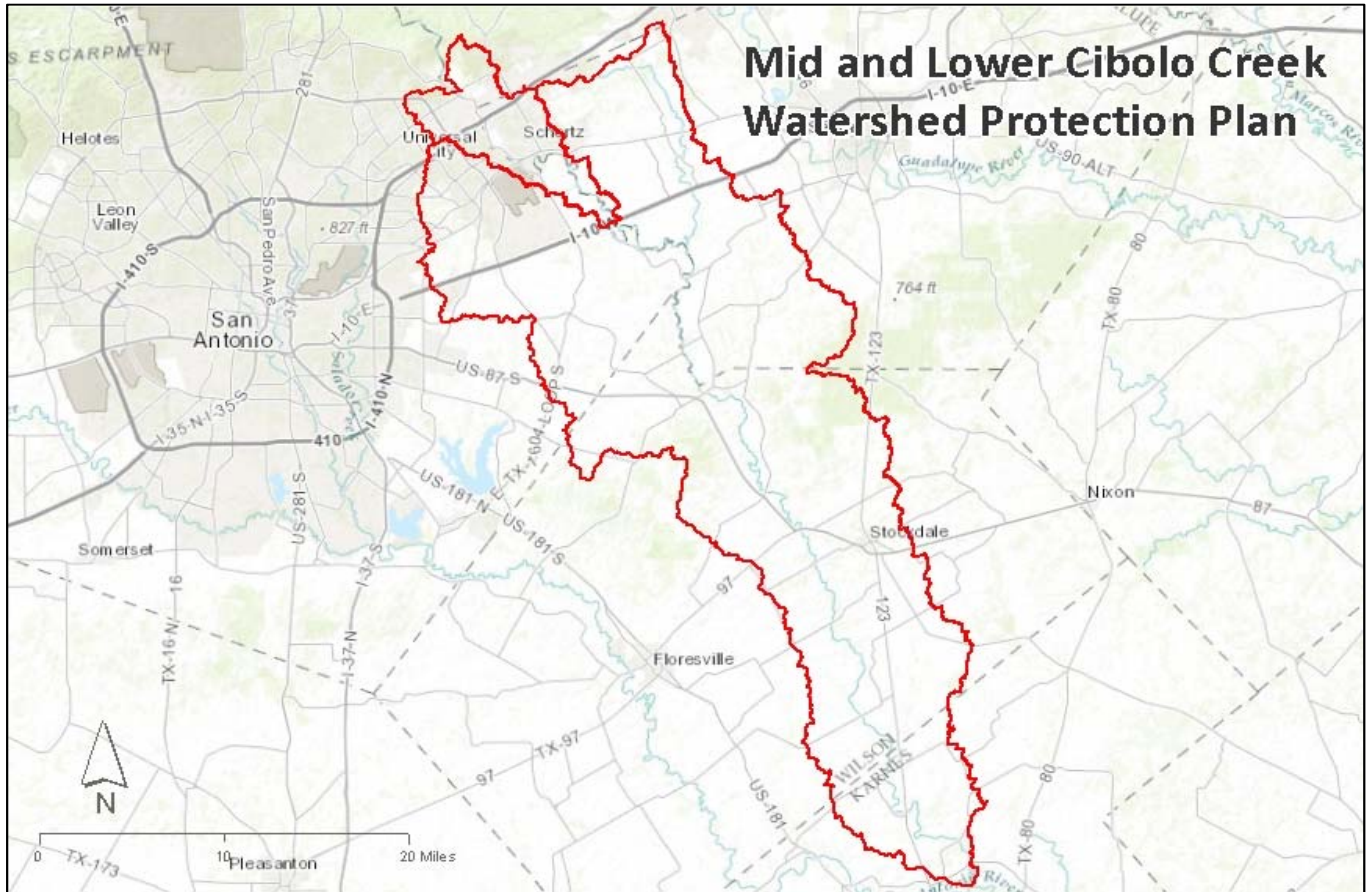
The acquisition and implementation of a new LIMS will support the River Authority’s commitment to advance the science of watershed management by utilizing an advanced modern tool to manage, store, report, retrieve, and integrate data used for decision making. It will facilitate implementation of operational efficiencies that respond to the growing and evolving demands for laboratory testing and data services.

The River Authority’s Regional Environmental Laboratory utilizes a Laboratory Information Management System (LIMS) to electronically capture information for all samples submitted to the laboratory from internal and external customers. This LIMS has been in use since February 2006 and was upgraded to a newer version in 2011. However, the product has not kept up with advances throughout the industry and lacks productivity, reporting, interfacing, and management tools to meet the ever increasing data management and reporting challenges of environmental testing laboratories.

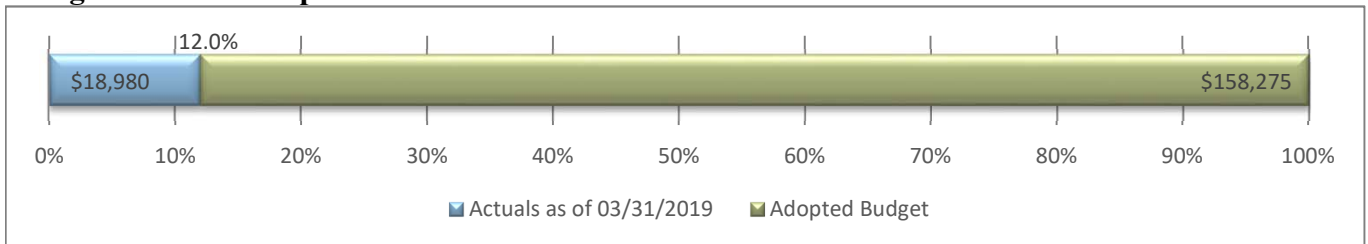
In FY 2019/20, a laboratory inventory and reagent traceability module will be implemented into operations. All existing documents will be updated to include new LIMS protocols and workflows. Users and administrators will also be trained on the use of the inventory module.

**Spending Plan of Total Project Budget**

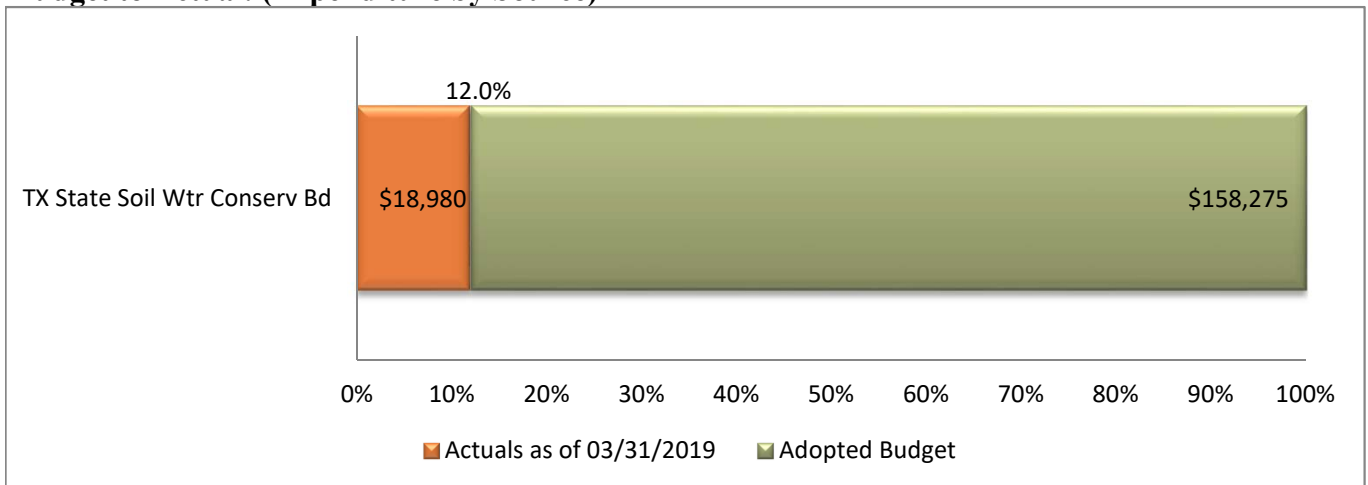
<b>Expenditures</b>	Actuals	<u>April 1, 2019</u>		Succeeding	
	as of	to		from	
	<u>March 31, 2019</u>	<u>June 2020</u>	<u>2020/21</u>	<u>2021</u>	<u>Total</u>
Personnel	\$ 98,822	\$ 38,739	\$ -	\$ -	\$ 137,561
Other	68,508	145,017	-	-	213,525
<b>Total</b>	<u>\$ 167,329</u>	<u>\$ 183,756</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 351,086</u>



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**



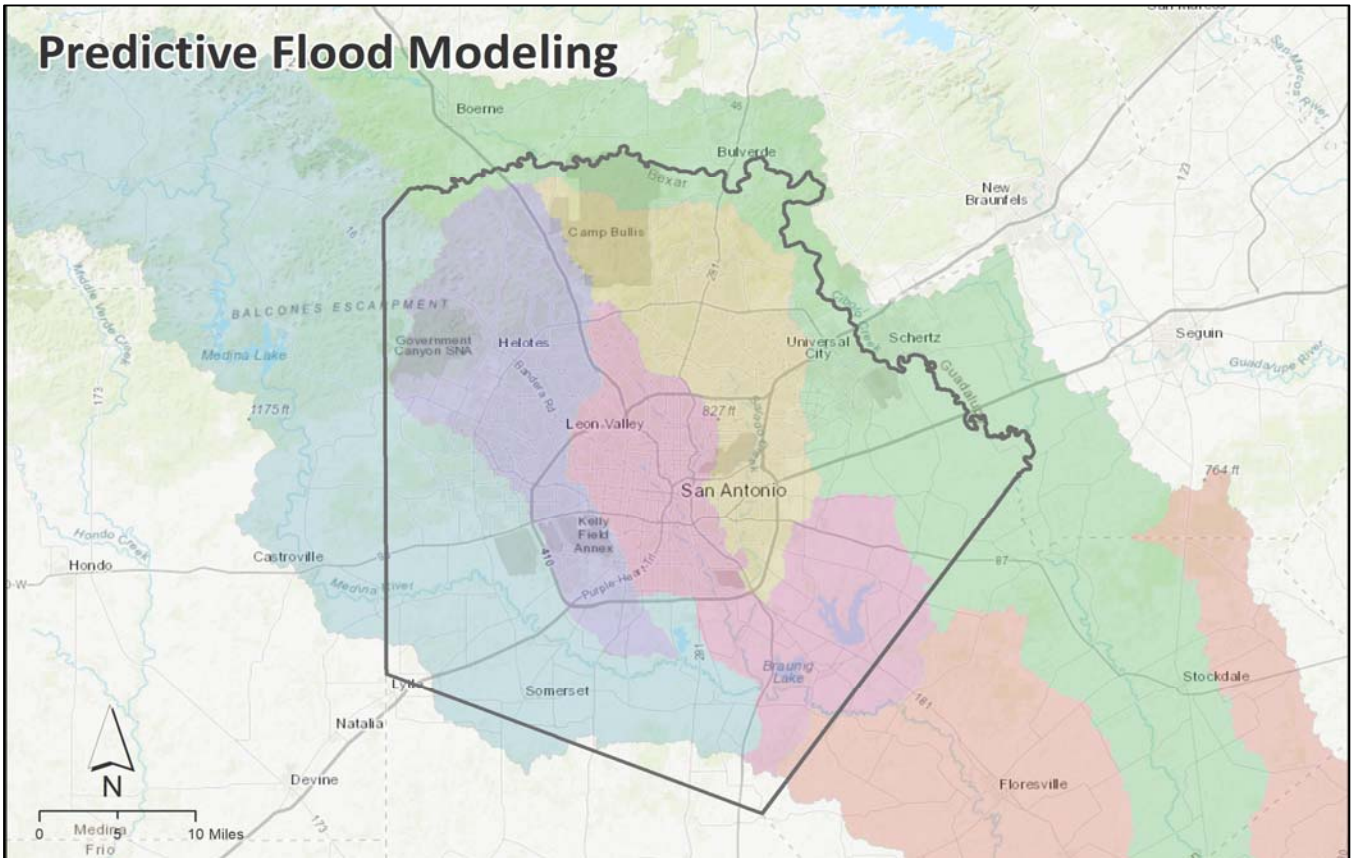
<b>Project Name:</b>	<b>Mid/Lower Cibolo Creek WPP</b>	<b>Project #</b>	<b>0532</b>
Managing Department:	Environmental Sciences		
		Adopted Budget:	\$ 158,275
		SARA Contribution:	\$ -
Project Start Date:	7/1/2016	Unfunded Plan:	\$ -
Project Finish Date:	6/30/2019	Total Project:	\$ 158,275

The Mid/Lower Cibolo Creek Watershed Protection Plan (WPP) project enhances the River Authority’s science and engineering data by developing a Watershed Protection Plan for the Mid and Lower Cibolo Creek Watersheds. The WPP is being developed for the Texas State Soil and Water Conservation Board (TSSWCB) with participation from Texas AgriLife Extension (AgriLife).

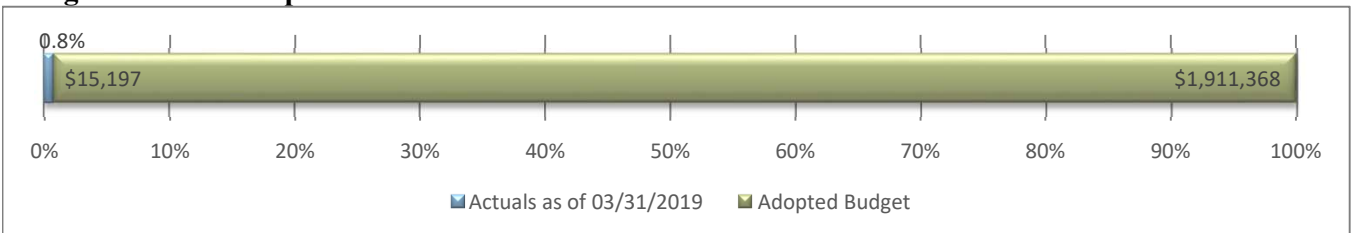
This project compliments the Cibolo Creek Watershed Master Plan and utilizes the River Authority’s ability to identify sources of E. coli that are contributing to concerns and impairments within the Mid and Lower Cibolo Creek Watersheds. The River Authority will serve as a subcontractor and will provide project administration, quality assurance, water quality monitoring, water quality modeling and participation in stakeholder facilitation as well as participation in the development of the WPP document.

This project will end in FY 2018/19 and both the Draft and Final Watershed Protection Plan document will be completed.

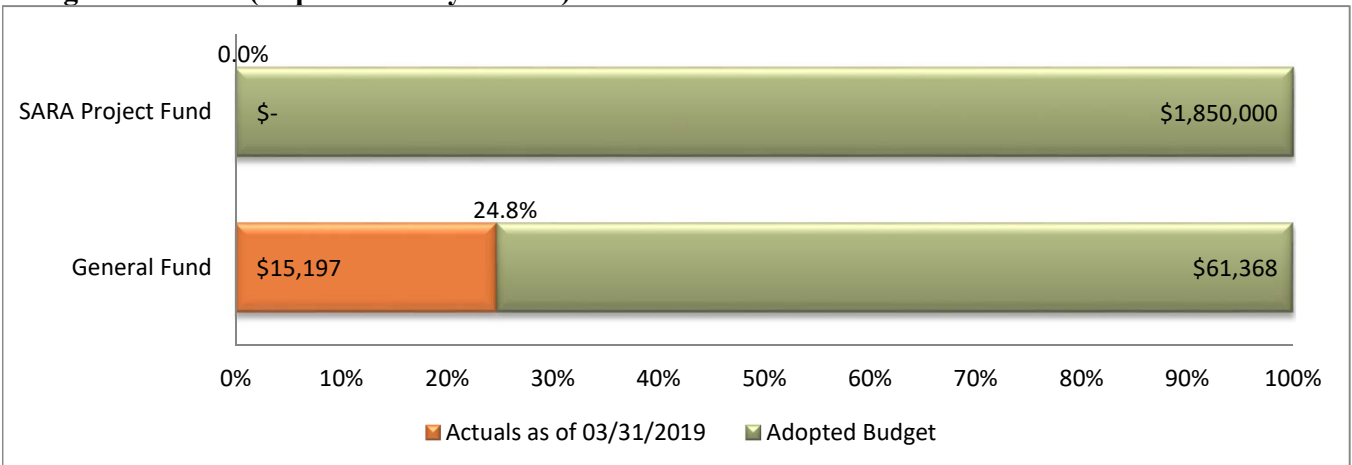
<b>Spending Plan of Total Project Budget</b>					
	Actuals	<u>April 1, 2019</u>		Succeeding	
	as of	to		from	
<b>Expenditures</b>	<u>March 31, 2019</u>	<u>June 2020</u>	<u>2020/21</u>	<u>2021</u>	<u>Total</u>
Personnel	\$ 15,741	\$ 33,969	\$ -	\$ -	\$ 49,710
Contracted & Other Services	3,239	105,326	-	-	108,565
<b>Total</b>	<u>\$ 18,980</u>	<u>\$ 139,295</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 158,275</u>



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**



<b>Project Name:</b>	<b>Predictive Flood Modeling</b>	<b>Project #</b>	<b>0602</b>
Managing Department:	Watershed Engineering	Adopted Budget:	\$ 1,850,000
		SARA Contribution:	\$ 61,368
Project Start Date:	9/3/2018	Unfunded Plan:	\$ 900,000
Project Finish Date:	6/30/2022	Total Project:	\$ 2,811,368

The Predictive Flood Modeling project will convert the FloodWorks flood modeling platform to a new modeling platform that advances the prediction technology. This conversion will support the River Authority’s objective to advance science, engineering expertise, and data. It will also improve service efficiencies and the expertise that sets us apart from other organizations.

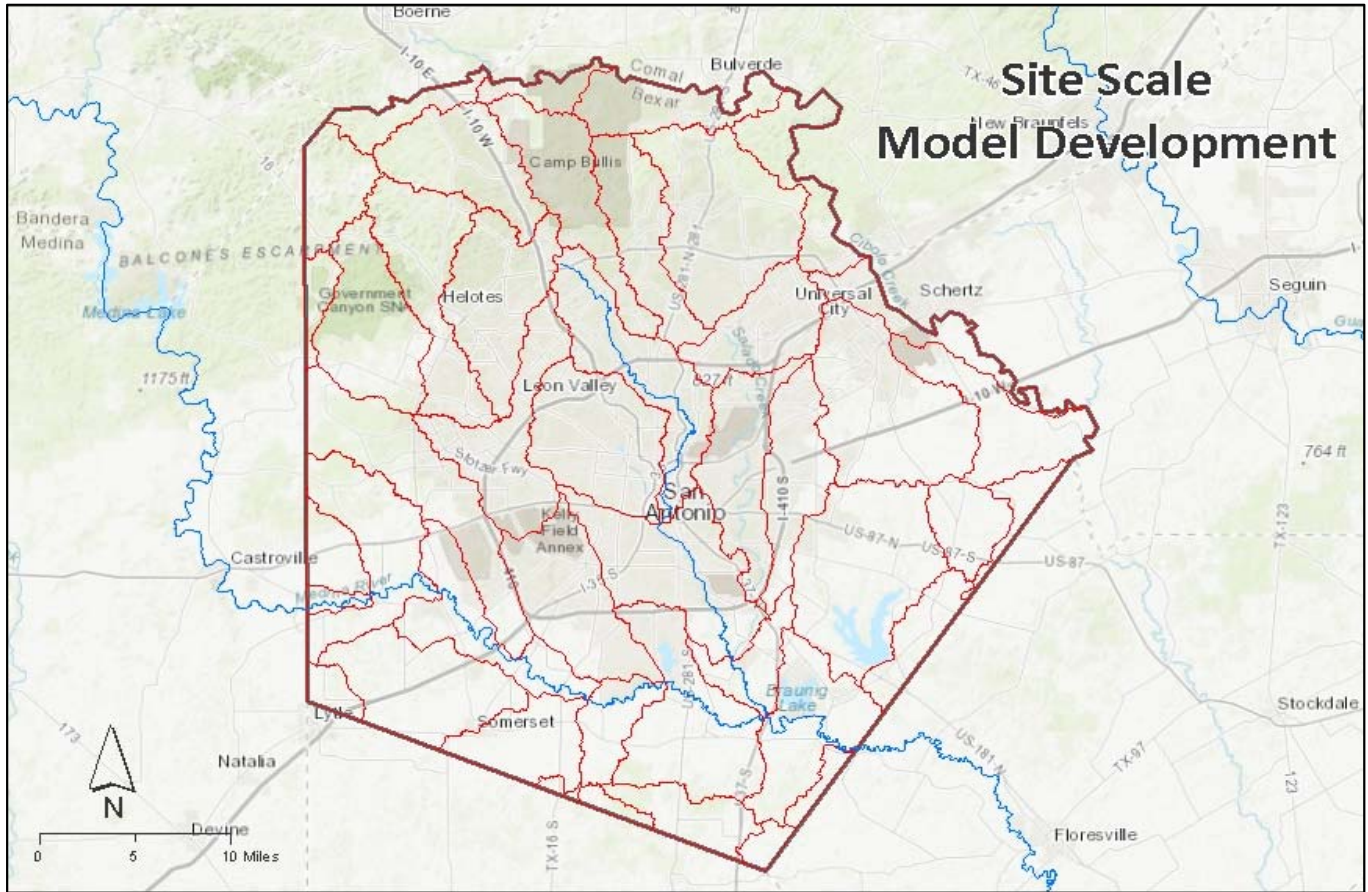
The current FloodWorks database is too restrictive in its ability to export results outside the proprietary operational interface. This project will convert the FloodWorks system into a new modeling platform that will expand real-time data input and output capability, increase the range of simulation flows, and increase the speed of the simulations by taking advantage of advances in computing technology.

In FY 2019/20, the River Authority will design the new operational interface and convert the current prediction system modeling core to the new software platform.

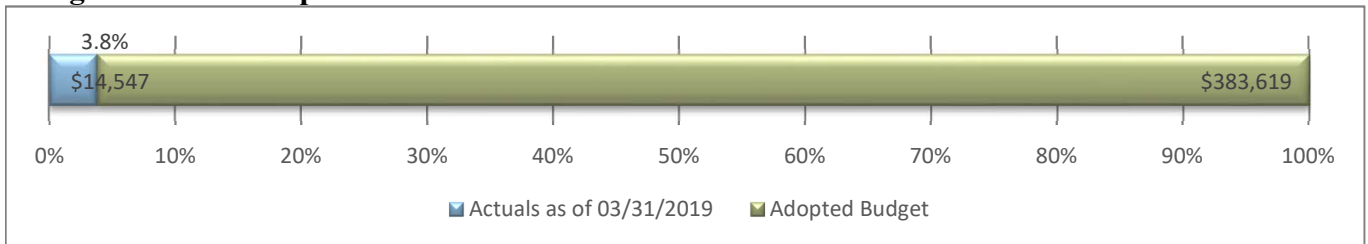
New funding for FY 2019/20 is \$900,000.

**Spending Plan of Total Project Budget**

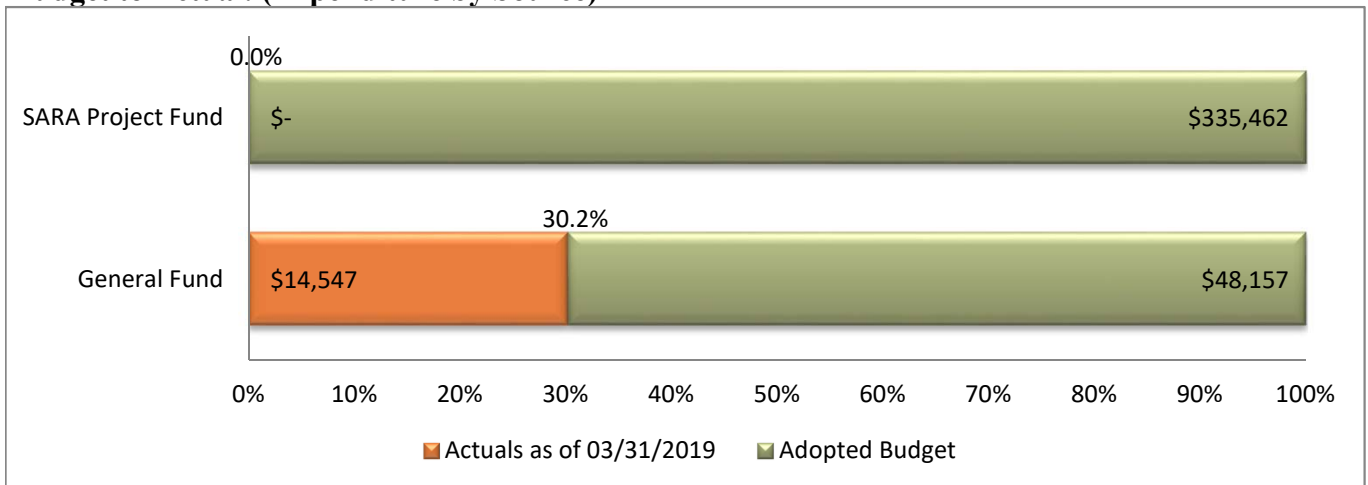
	Actuals as of	April 1, 2019 to		Succeeding from	Total
<b>Expenditures</b>	<u>March 31, 2019</u>	<u>June 2020</u>	<u>2020/21</u>	<u>2021</u>	<u>Total</u>
Personnel	\$ 15,197	\$ 46,171	\$ -	\$ -	\$ 61,368
Contracted & Other Service:	-	1,850,000	900,000	-	2,750,000
Total	<u>\$ 15,197</u>	<u>\$ 1,896,171</u>	<u>\$ 900,000</u>	<u>\$ -</u>	<u>\$ 2,811,368</u>



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**



<b>Project Name:</b>	<b>Site-Scale Model Development</b>	<b>Project #</b>	<b>0606</b>
Managing Department:	Watershed Engineering		
		Adopted Budget:	\$ 335,462
		SARA Contribution:	\$ 48,157
Project Start Date:	7/1/2018	Unfunded Plan:	\$ -
Project Finish Date:	6/28/2020	Total Project:	\$ 383,619

The Site-Scale Model Development project supports the River Authority's goal to advance and apply its expertise to influence, develop and implement watershed solutions that balance the environmental, economic and quality of life needs of its communities.

The purpose of the Site-Scale Model Development project is to enable users to see changes to the water quantity and quality as a result of changes to land use practices. The plan for providing site-scale watershed analysis in River Authority watersheds is to allow analysis of BMP/LID implementation at a parcel/neighborhood level within a selected sub basin (1-2 square miles) in Bexar County.

In FY 2019/20, a tool will be developed to link GSSHa (the hydrologic model), HSPF (water quality model) and SUSTAIN (BMP module) to set up a platform for site-scale analysis.

New funding for FY 2019/20 is \$235,462.

<b>Spending Plan of Total Project Budget</b>					
	Actuals as of	<u>April 1, 2019</u> to		Succeeding from	
<b>Expenditures</b>	<u>March 31, 2019</u>	<u>June 2020</u>	<u>2020/21</u>	<u>2021</u>	<u>Total</u>
Personnel	\$ 14,547	\$ 33,610	\$ -	\$ -	\$ 48,157
Other	-	335,462	-	-	335,462
<b>Total</b>	<u>\$ 14,547</u>	<u>\$ 369,072</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 383,619</u>

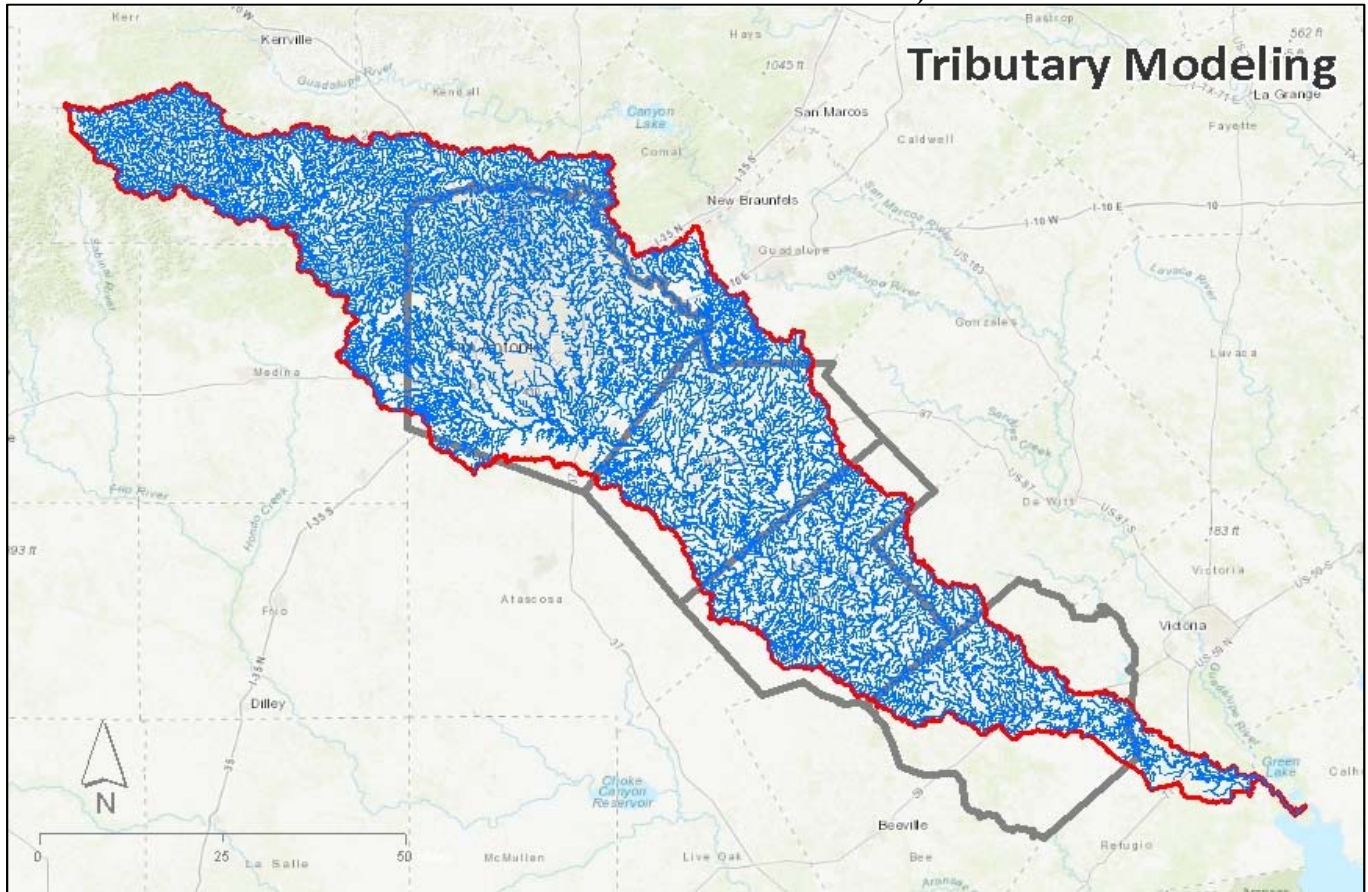


Project Name:

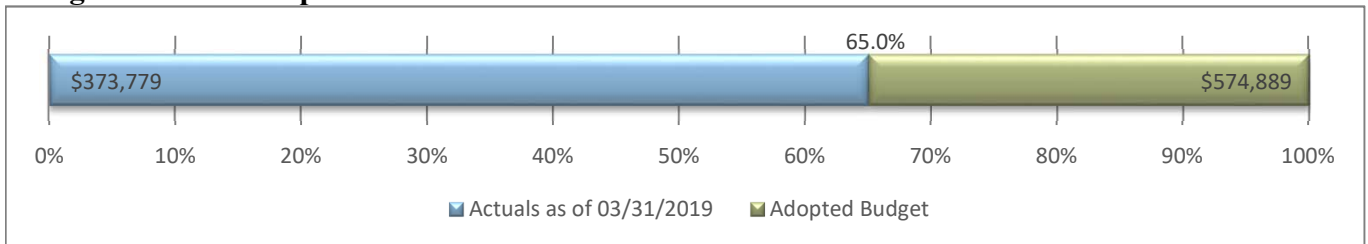
Tributary Modeling (Grant Match for CTP-  
FY17 Medina Ph II & FY16 USAR Ph II)

Project #

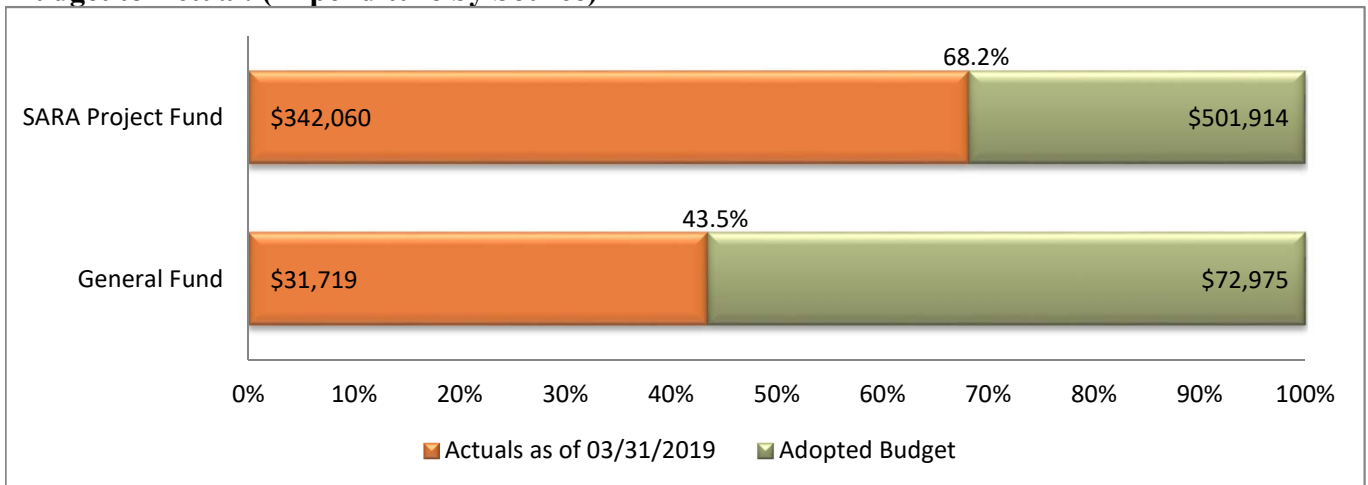
0074



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**



**Project Name:** Tributary Modeling (Grant Match for CTP-  
 FY17 Medina Ph II & FY16 USAR Ph II) **Project #** 0074

Managing Department: Watershed Engineering

	Adopted Budget:	\$	501,914
	SARA Contribution:	\$	72,975
Project Start Date:	3/18/2008	Unfunded Plan:	\$ -
Project Finish Date:	9/30/2020	Total Project:	\$ 574,889

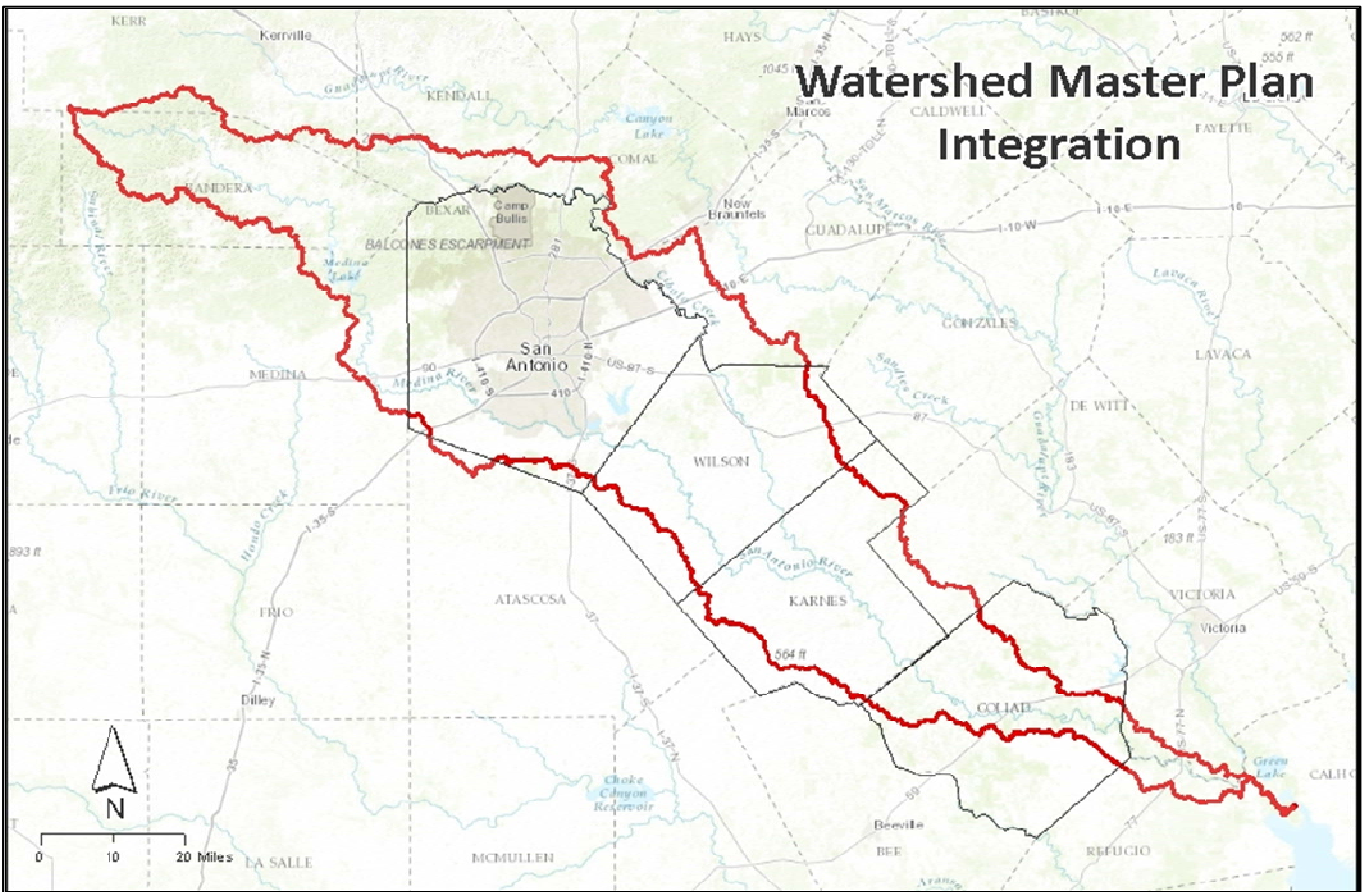
The Digital Flood Insurance Rate Map (DFIRM) effort in Bexar, Wilson, Karnes, and Goliad counties generated detailed computer models of the primary and some secondary streams within the San Antonio River Watershed. The models were used to estimate and map the one-percent annual chance flood event. Although over 1,000 stream miles were modeled, many streams were not modeled and do not have Federal Emergency Management Agency (FEMA) DFIRM floodplains developed.

The Tributary Modeling project creates floodplain models for the unstudied streams within the River Authority's district to serve as base models for developing Zone A floodplain boundaries for the unmapped areas and to serve as the basis for more detailed studies as needed. These new models integrate into the River Authority's flood monitoring and response efforts as they become available and advance the science of watershed management by developing and using data and innovative models and analysis to impact decision making. During the past eight years the River Authority has invested over \$900,000 in modeling.

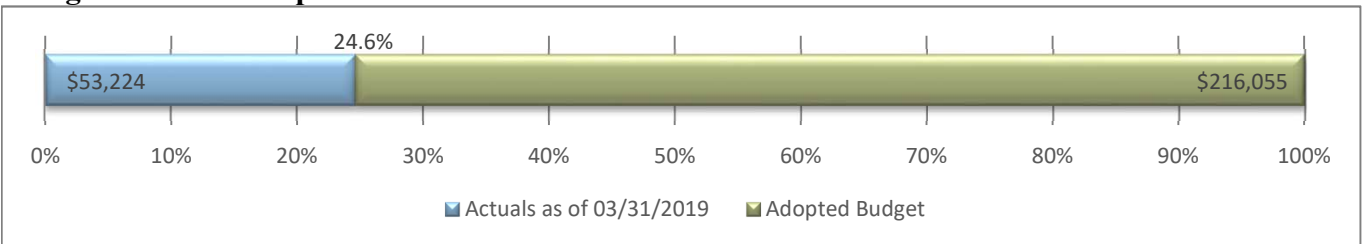
For the streams listed in FEMA's Mapping Activity Statement 13, the deliverables for FY 2019/20 include the development of floodplain mapping and flood risk products. For the streams listed in FEMA's Mapping Activity Statement 15, the deliverables for FY 2019/2020 include the completion of hydrologic and hydraulic models, as well as development of floodplain mapping and flood risk products. Some of the studies performed under Tributary Modeling are used as a cash match for FEMA CTP RiskMAP Grants.

**Spending Plan of Total Project Budget**

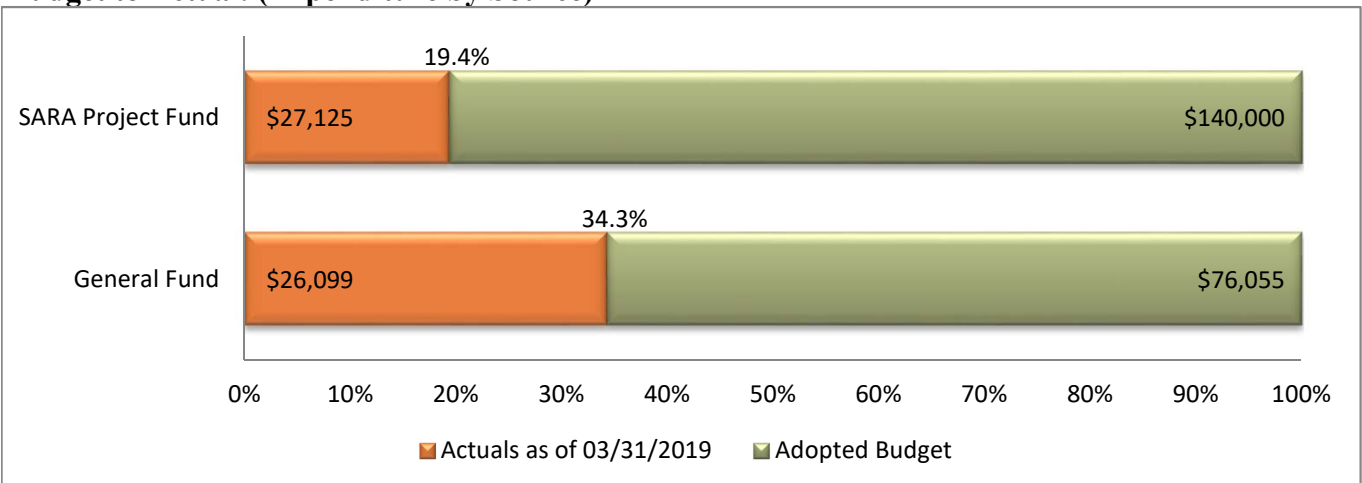
<b>Expenditures</b>	Actuals	<u>April 1, 2019</u>		Succeeding	
	as of	to		from	
	<u>March 31, 2019</u>	<u>June 2020</u>	<u>2020/21</u>	<u>2021</u>	<u>Total</u>
Personnel	\$ 31,719	\$ 41,256	\$ -	\$ -	\$ 72,975
Professional Service	342,060	159,854	-	-	501,914
<b>Total</b>	<u>\$ 373,779</u>	<u>\$ 201,110</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 574,889</u>



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**



<b>Project Name:</b>	<b>Watershed Master Plans Integration</b>	<b>Project #</b>	<b>0536</b>
Managing Department:	Watershed Engineering		
		Adopted Budget:	\$ 140,000
		SARA Contribution:	\$ 76,055
Project Start Date:	6/22/2016	Unfunded Plan:	\$ -
Project Finish Date:	10/25/2019	Total Project:	\$ 216,055

The Watershed Master Plan Integration project advances the science and engineering expertise and data through the use of geographic information systems (GIS) tools and modeling data.

This project combines the analysis and recommendations from various watershed master plans developed by the River Authority to strategically identify and target watershed solutions. A multi-departmental team reviews the recommendations, standardizes the data, determines how to incorporate recommendations into existing initiatives, and proposes new initiatives. A web map application allows the public and stakeholders to view data and project recommendations.

In FY 2019/20, a prototype for an on-demand summary report that can be retrieved from the web map application will be developed. The data and project recommendations in the watershed master plans will be standardized and packaged to feed the on-demand summary report.

<b>Spending Plan of Total Project Budget</b>					
	Actuals as of	<u>April 1, 2019</u> to		Succeeding from	
<b>Expenditures</b>	<u>March 31, 2019</u>	<u>June 2020</u>	<u>2020/21</u>	<u>2021</u>	<u>Total</u>
Personnel	\$ 26,099	\$ 49,956	\$ -	\$ -	\$ 76,055
Professional Service	27,125	112,875	-	-	140,000
Total	<u>\$ 53,224</u>	<u>\$ 162,831</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 216,055</u>



SAN ANTONIO  

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RIVER AUTHORITY

## **Projects Goal #2**



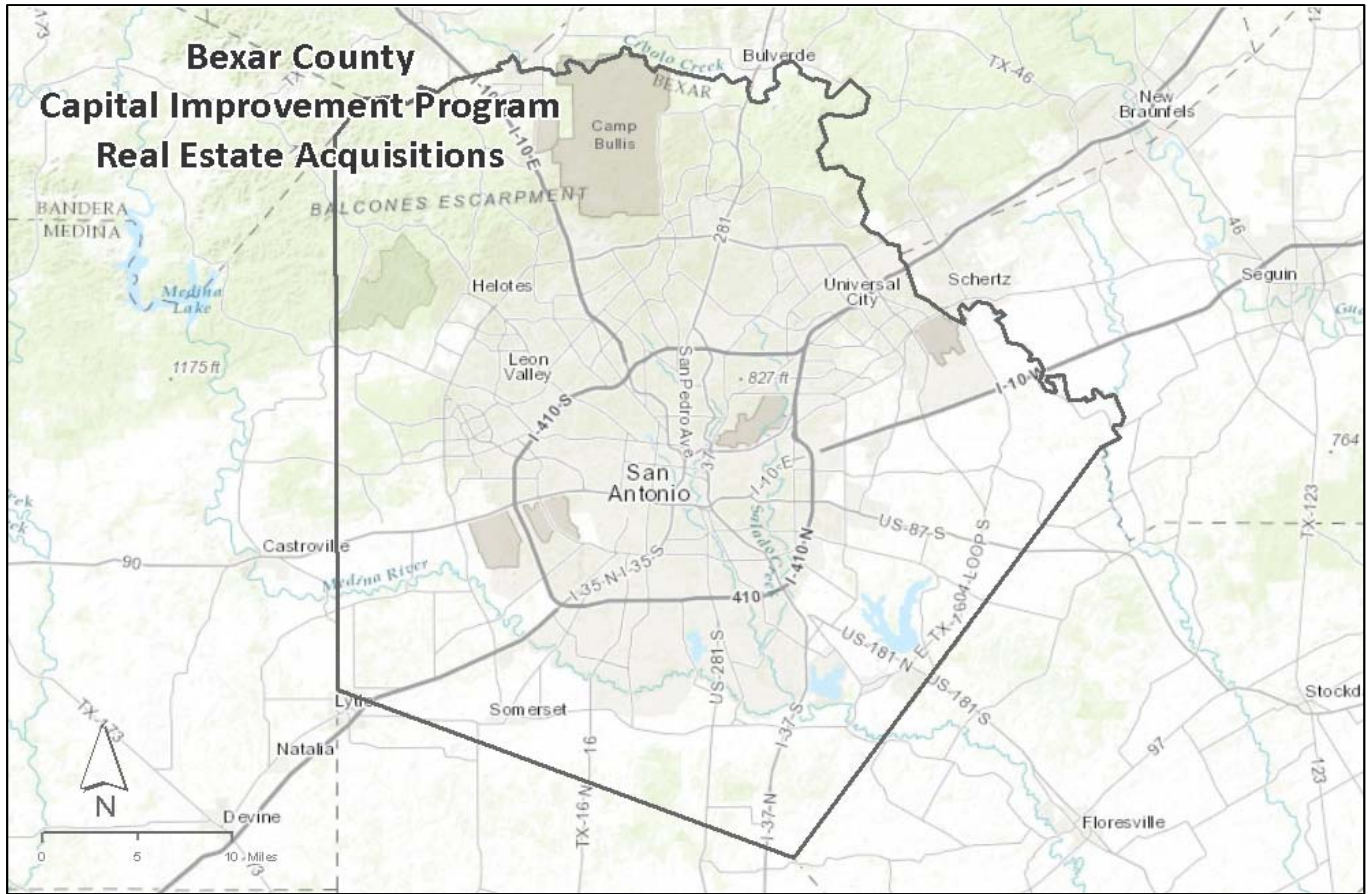
**Photo by Robert Burton  
2019 River Clicks Photo Contest  
People's Choice Category Winner**



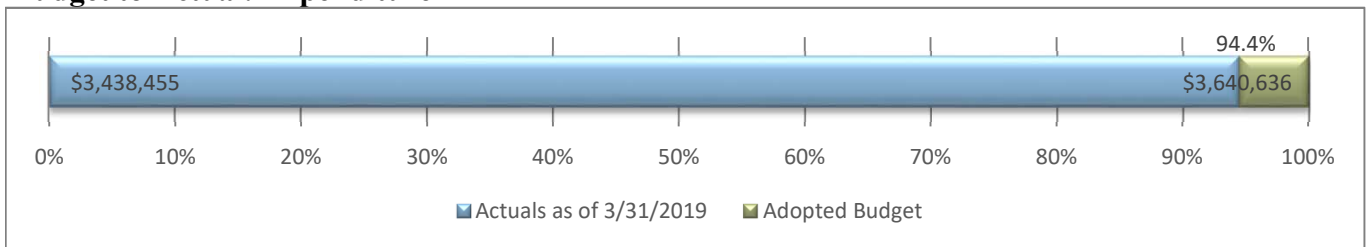
**Enable Policy, Projects, and Actions** – Apply SARA’s expertise and resources to influence, develop, and implement recognized and sustainable improvements to the health and safety of our creeks, rivers, estuaries and bays.

- ◆ Target investments in projects and incentives that result in quantifiable water quality benefits.
- ◆ Promote healthy ecosystems through proactive ecological restoration projects.
- ◆ Proactively address the threats to creeks and rivers.
- ◆ Drive adoption of sustainable design and development policy.

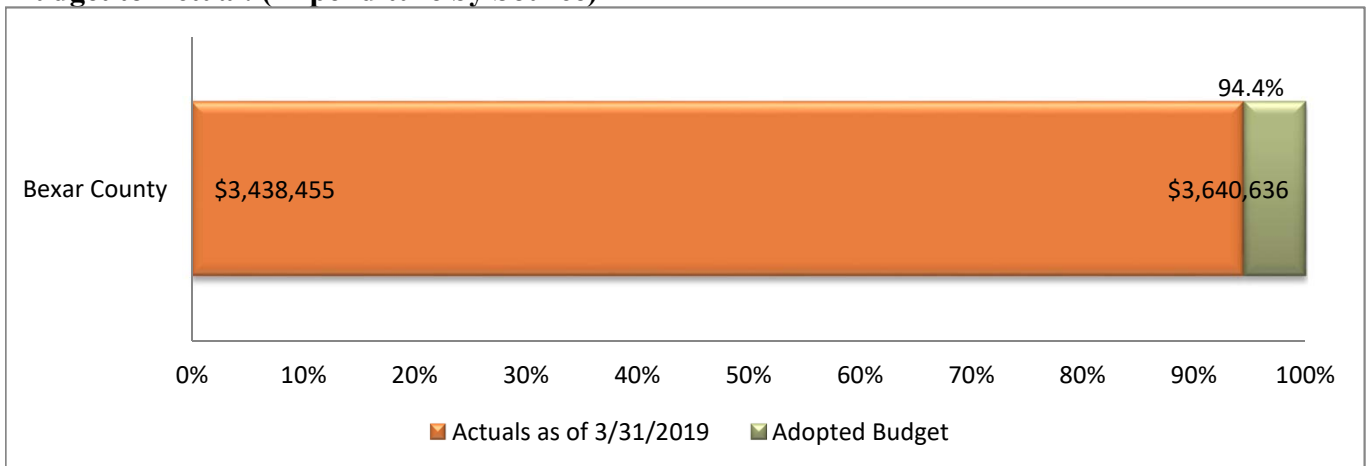
- 
- ◆ Bexar County Capital Improvement Program - Real Estate Acquisition
  - ◆ Broadway Underpass
  - ◆ BRWM Stream Mitigation Bank
  - ◆ Concepcion Creek Repair
  - ◆ CoSA Bond LID Match
  - ◆ Edwards Aquifer Watershed Protection
  - ◆ Feral Hog Management
  - ◆ Freshwater (FW) Mussel Propagation
  - ◆ Huebner Creek Flood Remediation & Aquatic Ecosystem Restoration
  - ◆ Impervious Cover Mitigation
  - ◆ Mission Reach
  - ◆ Mission Reach Avian Study
  - ◆ Mission Reach Erosion Repairs
  - ◆ Panther Springs Creek Restoration
  - ◆ River Road Stream Restoration
  - ◆ Trash and Floatables Mitigation
  - ◆ Trash and Floatables Mitigation - Olmos Creek
  - ◆ Watershed Wise Rebate Program
  - ◆ Watershed Wise School Grant
-



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**





**Project Name:** Bexar County Capital Improvement Program **Project #** 0394  
**Real Estate Acquisition**

Managing Department: Real Estate

		Adopted Budget:	\$ 3,640,636
		SARA Contribution:	\$ -
Project Start Date:	1/1/2008	Unfunded Plan:	\$ -
Project Finish Date:	6/30/2020	Total Project:	\$ 3,640,636

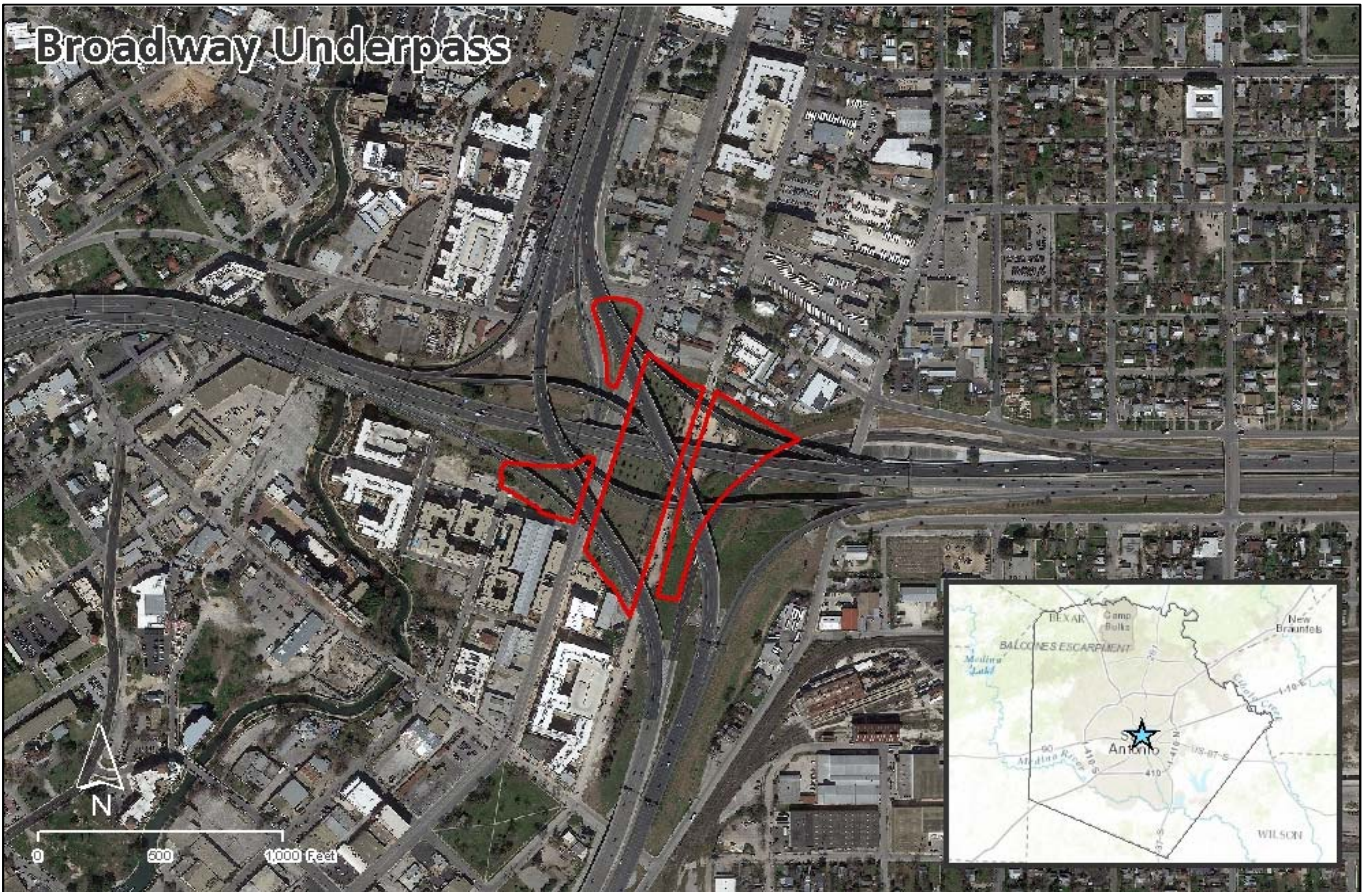
Through the Bexar County Capital Improvement Program, the River Authority acquires land rights, i.e. easements and fee simple ownership, for Bexar County Flood Control Infrastructure Services for construction of low water crossings, natural waterway conveyances, bridges, drainage channels, and regional stormwater facilities.

The Bexar County Commissioners Court approved a \$500 million flood control capital improvements program in 2007. Projects within the program include regional stormwater facilities, low water crossings, natural waterway conveyances (channelization), outfall structures and buyouts located throughout Bexar County. River Authority staff provides real estate acquisition services for the program including negotiations for property rights and relocation with property owners. The eighth amendment to the interlocal agreement in process with the County identifies a total of 45 projects through this program. This amendment includes nine remaining projects to complete as of the end of this program with the County. The active projects as of this amendment are Cimarron Subdivision CB9, Elm Creek at Pearsall Road MR11, French Creek LC23, Huebner Creek LC17, Kirkner Road SA46, North Talley Road MR10, Pecan Creek/Toutant Beauregard LC34, South Hausman Road at French Creek LC5 and Woodlawn at 36th Street SA55.

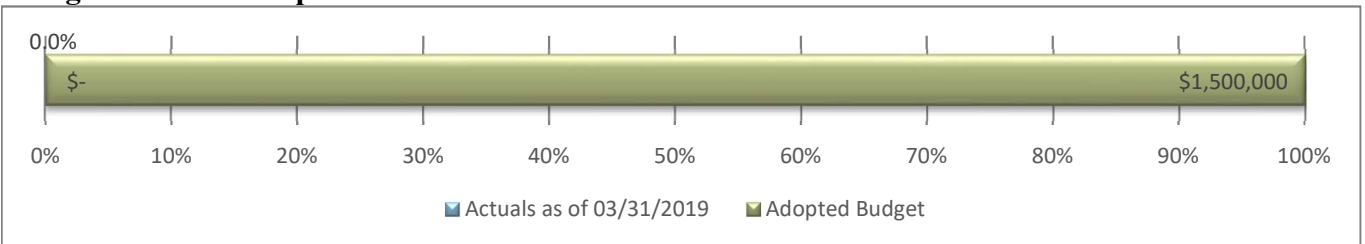
During FY 2019/20, work will continue on the remaining nine projects to complete property acquisitions and relocations. All acquisitions and relocations are being conducted on behalf of Bexar County and any operations and maintenance responsibilities would be managed by Bexar County.

**Spending Plan of Total Project Budget**

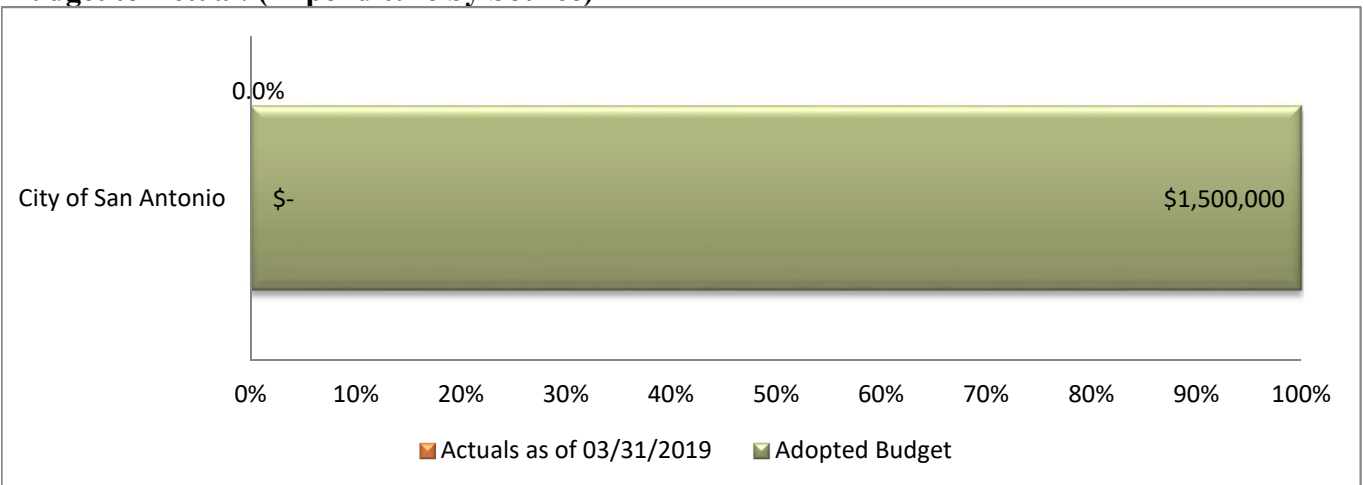
<b>Expenditures</b>	Actuals	April 1, 2019		Succeeding	<u>Total</u>
	as of	to	2020/21	from	
	<u>March 31, 2019</u>	<u>June 2020</u>		<u>2021</u>	
Personnel	\$ 623,548	\$ 500	\$ -	\$ -	\$ 624,048
Contracted & Other Services	2,814,907	201,681	-	-	3,016,588
<b>Total</b>	<u>\$ 3,438,455</u>	<u>\$ 202,181</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 3,640,636</u>



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**



<b>Project Name:</b>	<b>Broadway Underpass</b>	<b>Project #</b>	<b>0561</b>
Managing Department:	Watershed Engineering		
		Adopted Budget:	\$ 1,500,000
		SARA Contribution:	\$ -
Project Start Date:	10/31/2016	Unfunded Plan:	\$ -
Project Finish Date:	9/30/2020	Total Project:	\$ 1,500,000

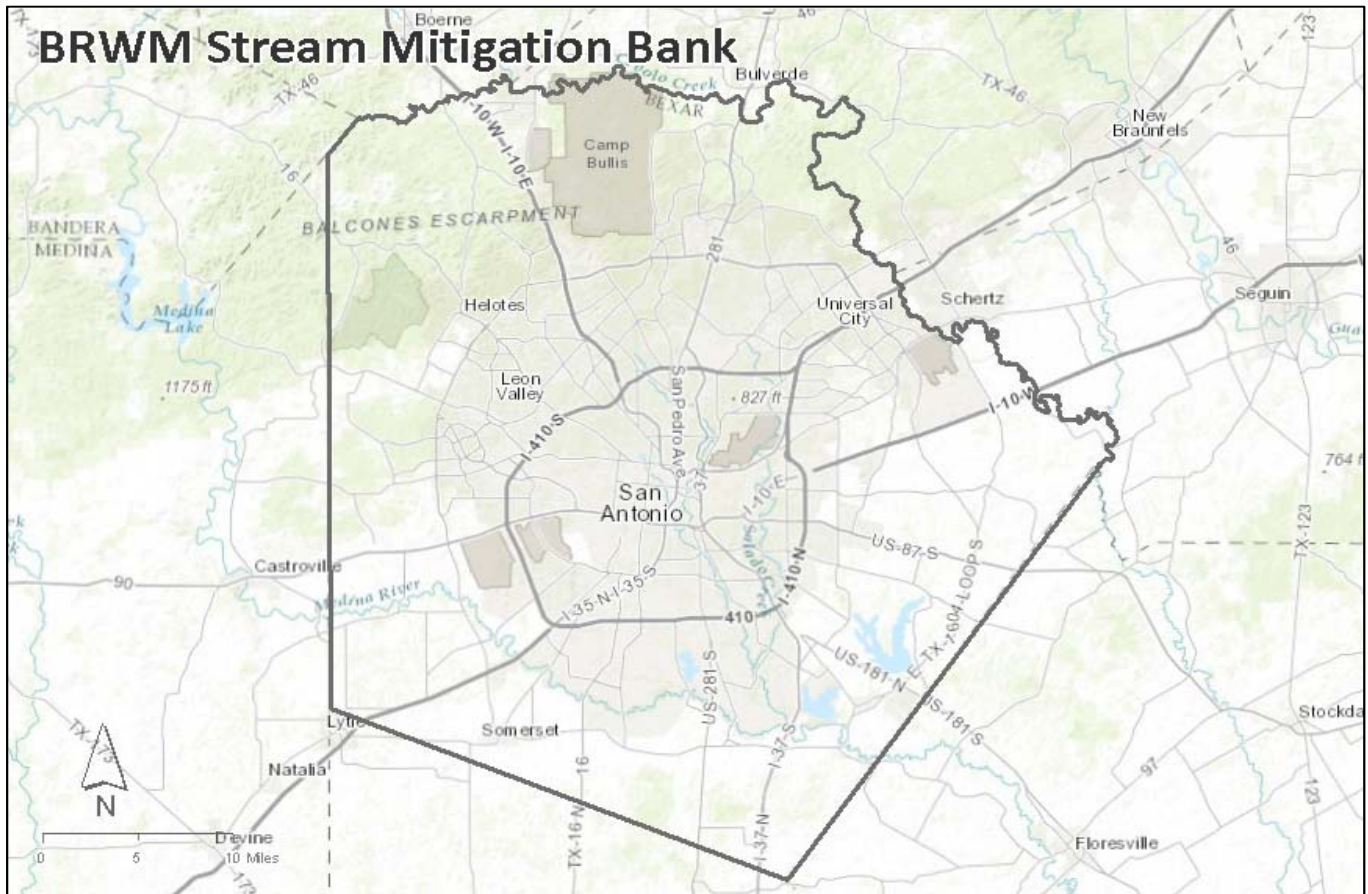
The River Authority, on behalf of the City of San Antonio, will oversee the design and construction of the Broadway Underpass project. The project provides a sustainable design for managing stormwater runoff. The project will also provide access to the river, thereby enhancing community appreciation and recreation opportunities.

The project involves construction of a sustainable parking area under the IH-35/IH-37 interchange. The parking lot includes low impact development (LID) features that will treat stormwater runoff.

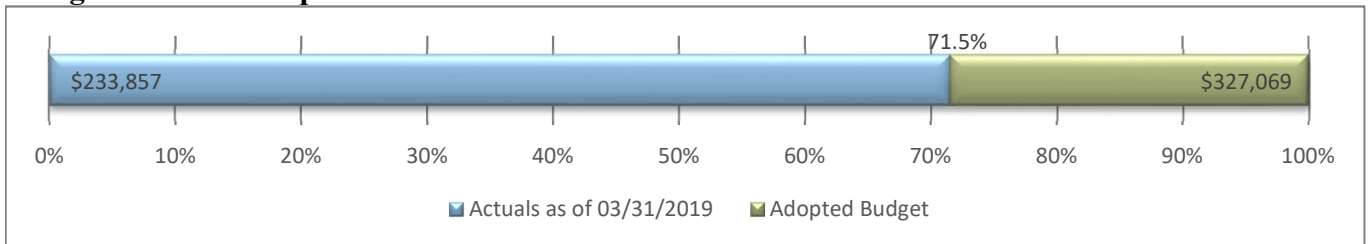
In FY 2019/20, the project is expected to remain on hold due to an agreement required between the city of San Antonio and TxDOT to utilize the property. The River Authority will provide operations and maintenance services for these improvements through an interlocal agreement with the City of San Antonio. The net cost to the River Authority is zero dollars as the full cost of the effort will be reimbursed by the City of San Antonio.

### Spending Plan of Total Project Budget

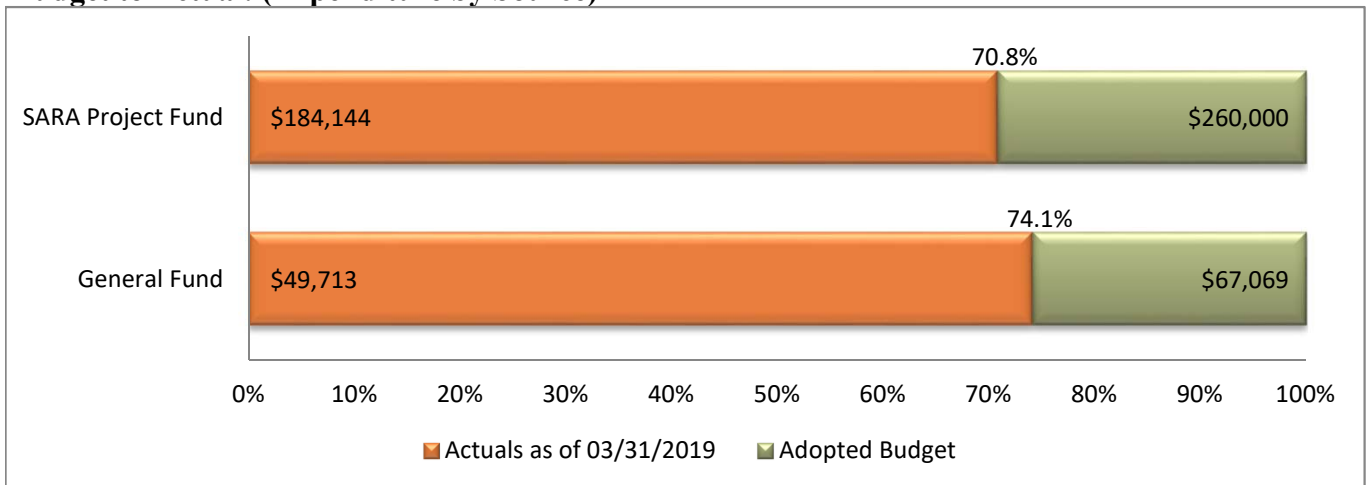
<b>Expenditures</b>	Actuals as of <u>March 31, 2019</u>	<u>April 1, 2019</u> to <u>June 2020</u>	<u>2020/21</u>	Succeeding from <u>2021</u>	<u>Total</u>
Construction	\$ -	\$ 1,415,095	\$ -	\$ -	\$ 1,415,095
Project Management	-	84,905	-	-	84,905
Total	<u>\$ -</u>	<u>\$ 1,500,000</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 1,500,000</u>



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**



<b>Project Name:</b>	<b>BRWM Stream Mitigation Bank</b>	<b>Project #</b>	<b>0466</b>
Managing Department:	Watershed Engineering		
		Adopted Budget:	\$ 260,000
		SARA Contribution:	\$ 67,069
Project Start Date:	7/1/2014	Unfunded Plan:	\$ -
Project Finish Date:	9/30/2019	Total Project:	\$ 327,069

Through collaboration with the Bexar Regional Watershed Management (BRWM) partners, the BRWM Mitigation Bank will restore natural stream functions to improve overall aquatic and riparian health.

A 2008 U.S. Environmental Protection Agency (EPA)/U.S. Army Corps of Engineers (USACE) rule established mitigation banking as the preferred method of mitigating stream impacts. A stream mitigation bank is a stream that has been restored and then set aside to compensate for future stream impacts. In FY 2013/14, the BRWM funded a study to evaluate developing an urban stream mitigation bank within Bexar County. Based on the recommendations of the study, the prospectus was submitted in FY 2014/15 and the Mitigation Banking Instrument (MBI) was submitted in FY 2016/17.

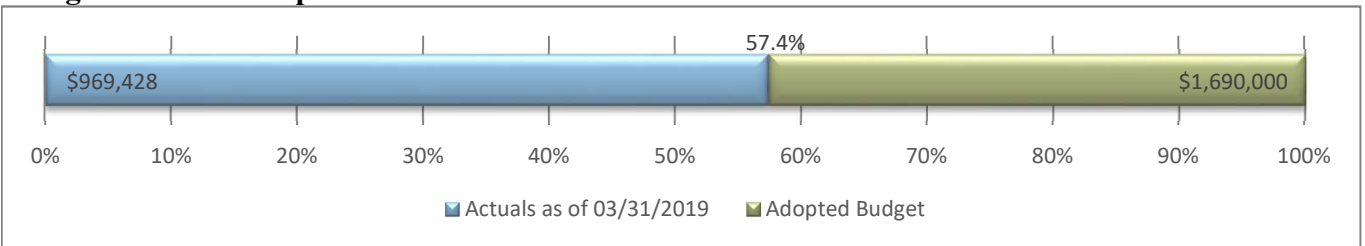
In FY 2019/20, staff will work with the USACE and interagency review team to address comments on the MBI and establish the mitigation bank. The MBI is documentation that includes design plans and establishes guidelines for the establishment, operation, and maintenance of the proposed mitigation bank. Management of the program will be accomplished by existing River Authority staff.

### Spending Plan of Total Project Budget

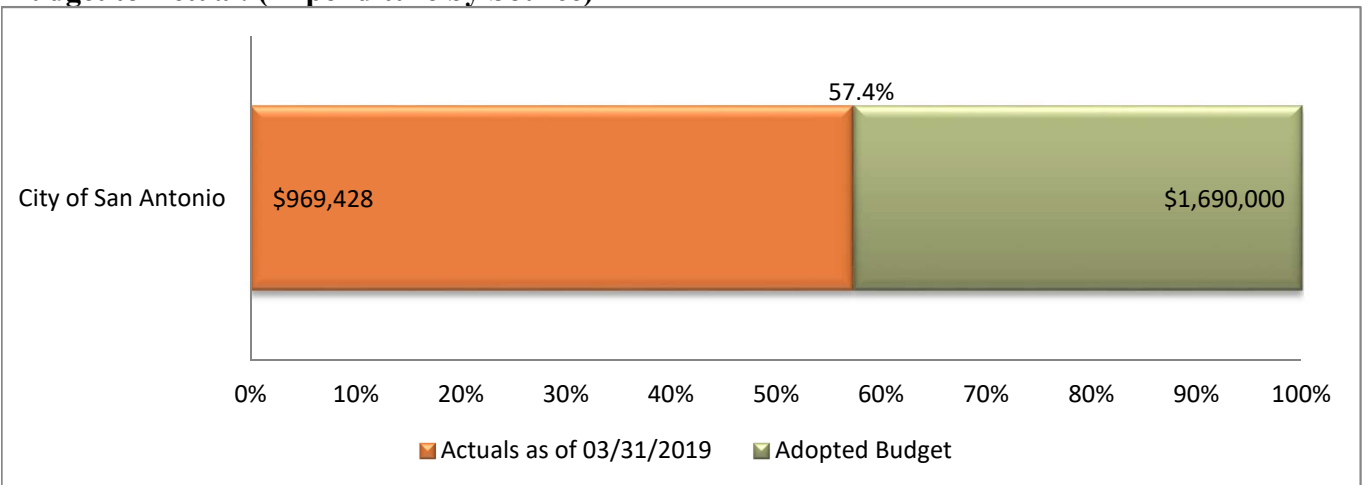
<b>Expenditures</b>	Actuals as of <u>March 31, 2019</u>	<u>April 1, 2019</u> to <u>June 2020</u>	<u>2020/21</u>	Succeeding from <u>2021</u>	<u>Total</u>
Personnel	\$ 15,176	\$ 17,356	\$ -	\$ -	\$ 32,532
Professional Services	218,681	75,856	-	-	294,537
Total	<u>\$ 233,857</u>	<u>\$ 93,212</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 327,069</u>



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**



<b>Project Name:</b>	<b>Concepcion Creek Outfall Repair</b>	<b>Project #</b>	<b>0583</b>
Managing Department:	Watershed Engineering		
		Adopted Budget:	\$ 1,690,000
		SARA Contribution:	\$ -
Project Start Date:	4/20/2017	Unfunded Plan:	\$ -
Project Finish Date:	6/28/2019	Total Project:	\$ 1,690,000

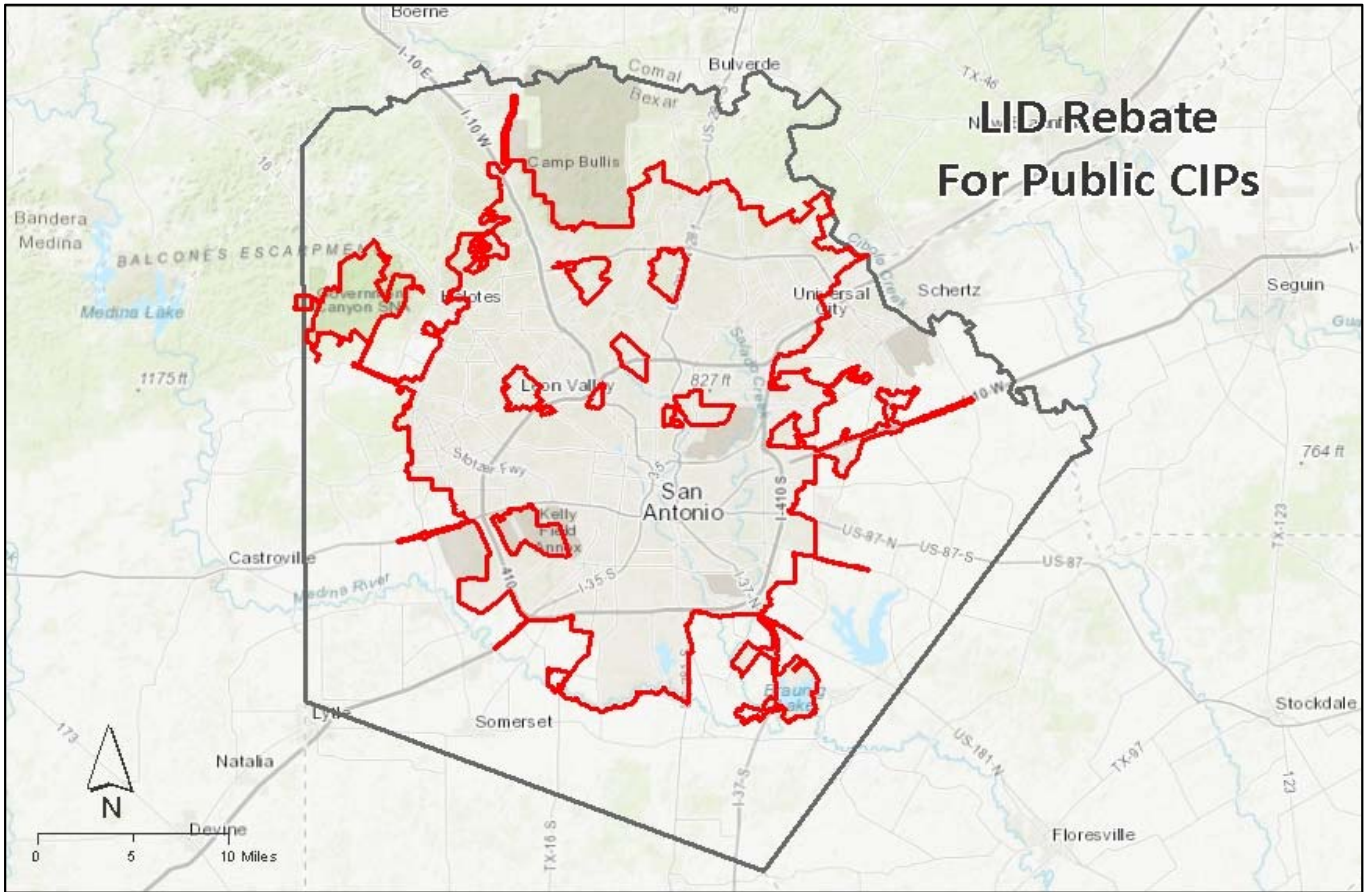
The Concepcion Creek Outfall Repair project is managed by the River Authority on behalf of the City of San Antonio. The project will rehabilitate damage sustained to Concepcion Creek's outfall into the San Antonio River during a September 2016 storm event.

During the storm event, a portion of the outfall's chute slab was undermined and displaced by the flood waters. The repairs will include construction of new side slopes, a downstream weir wall, and a new apron slab. The engineering consultant will provide design drawings, a design technical memorandum, construction drawings and technical specifications, and provide as built drawings following construction. Construction contractor will construct the project.

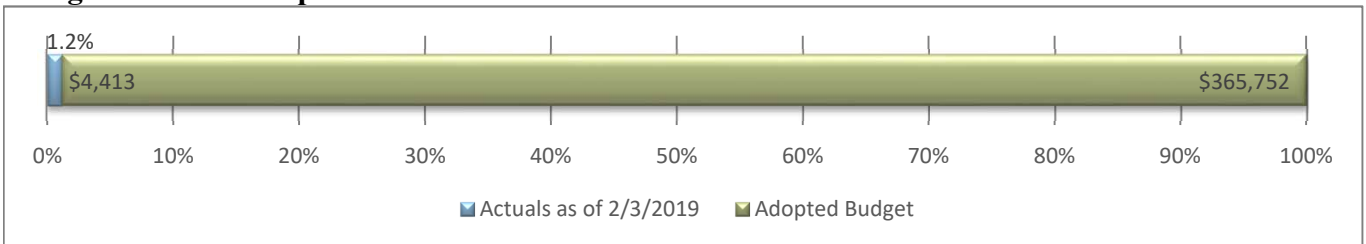
In FY 2017/18, the project's design work started. Construction began in FY 2018/19 and will be completed by the end of the fiscal year. The River Authority is not responsible for operations and maintenance of these improvements.

#### Spending Plan of Total Project Budget

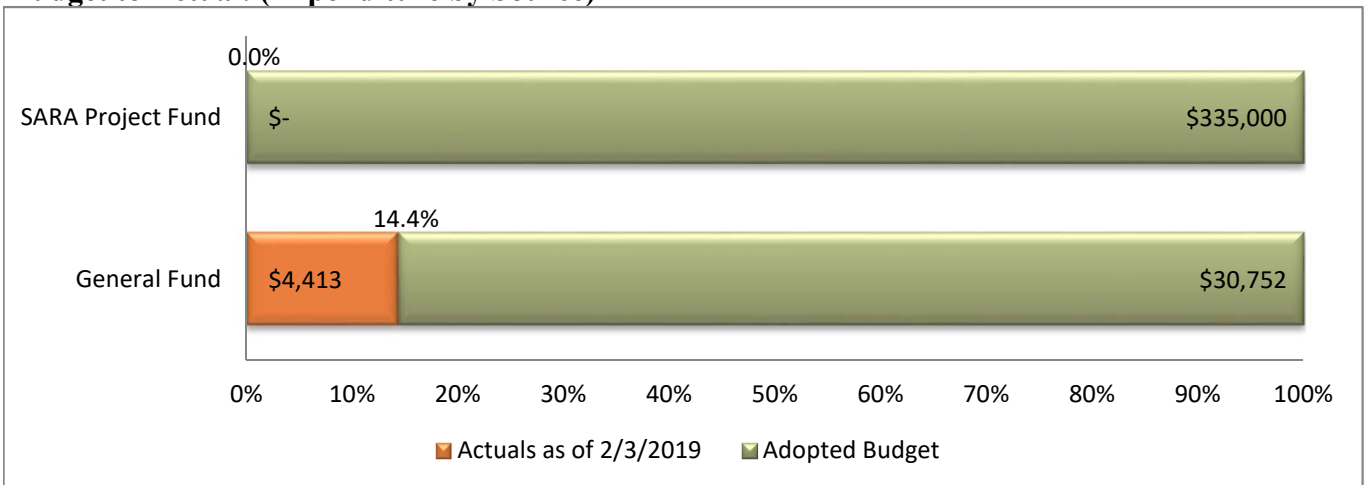
<b>Expenditures</b>	Actuals as of <u>March 31, 2019</u>	<u>April 1, 2019</u> to <u>June 2020</u>	<u>2020/21</u>	Succeeding from <u>2021</u>	<u>Total</u>
Design	\$ 118,903	\$ 72,417	\$ -	\$ -	\$ 191,320
Construction	795,651	607,368	-	-	1,403,019
Project Management	54,873	40,787	-	-	95,660
Total	<u>\$ 969,428</u>	<u>\$ 720,572</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 1,690,000</u>



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**





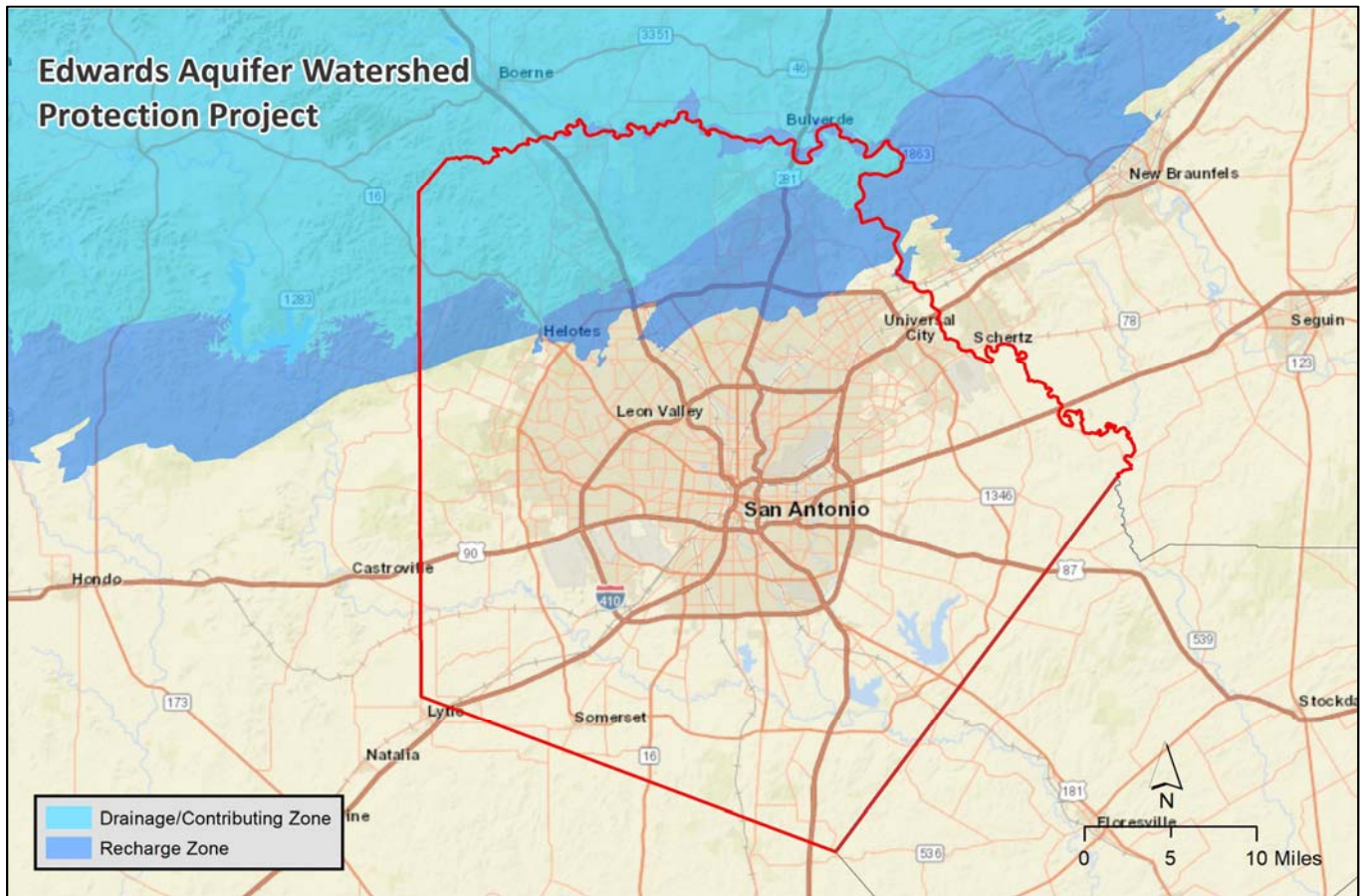
<b>Project Name:</b>	<b>CoSA Bond LID Match</b>	<b>Project #</b>	<b>0607</b>
Managing Department:	Watershed Engineering		
		Adopted Budget:	\$ 335,000
		SARA Contribution:	\$ 30,752
Project Start Date:	7/1/2018	Unfunded Plan:	\$ -
Project Finish Date:	6/30/2021	Total Project:	\$ 365,752

The City of San Antonio (CoSA) Bond Low Impact Development (LID) Match project adds LID to bond projects that may not have used LID otherwise. Projects will be evaluated and selected based on analysis of the watershed to identify projects that will have the greatest affect on improving water quality of impaired stream stretches. The LID methods will be built to the specifications in the San Antonio River Basin Low Impact Development Technical manual.

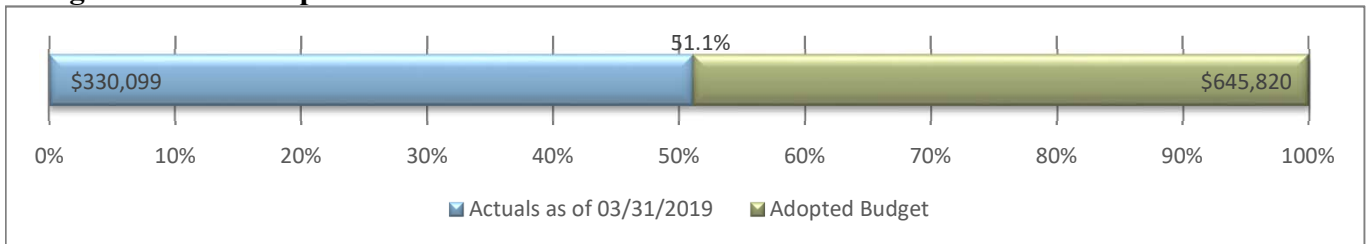
The River Authority will coordinate with the City of San Antonio (CoSA) to identify bond projects that can incorporate low impact development practices. Projects will be ranked based on the benefits low impact development can make on water quality. In coordination with CoSA, LID requirements will be incorporated into selected bond project's design documents. The River Authority will share in this cost with CoSA through this project.

In FY 2019/20, the River Authority will continue to work with CoSA to incorporate LID requirements into bond projects by evaluating, selecting, and developing standard plans for LID methods in public right of way. Delivery of these projects will be based on CoSA schedules for individual projects.

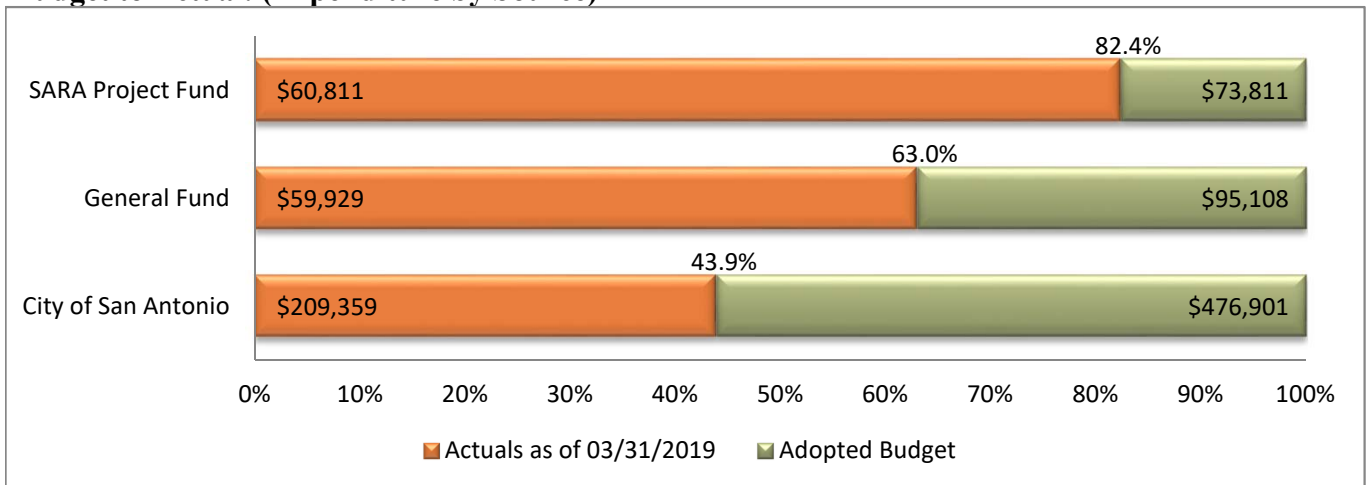
<b>Spending Plan of Total Project Budget</b>					
	Actuals as of	<u>April 1, 2019</u> to		Succeeding from	
<b>Expenditures</b>	<u>March 31, 2019</u>	<u>June 2020</u>	<u>2020/21</u>	<u>2021</u>	<u>Total</u>
Personnel	\$ 4,413	\$ 13,169	\$ 13,170	\$ -	\$ 30,752
Other	-	167,500	167,500	-	335,000
<b>Total</b>	<u>\$ 4,413</u>	<u>\$ 180,669</u>	<u>\$ 180,670</u>	<u>\$ -</u>	<u>\$ 365,752</u>



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**



<b>Project Name:</b>	<b>Edwards Aquifer Watershed Protection</b>	<b>Project #</b>	<b>0512</b>
Managing Department:	Environmental Sciences		
		Adopted Budget:	\$ 550,712
		SARA Contribution:	\$ 95,108
Project Start Date:	7/1/2015	Unfunded Plan:	\$ -
Project Finish Date:	12/31/2020	Total Project:	\$ 645,820

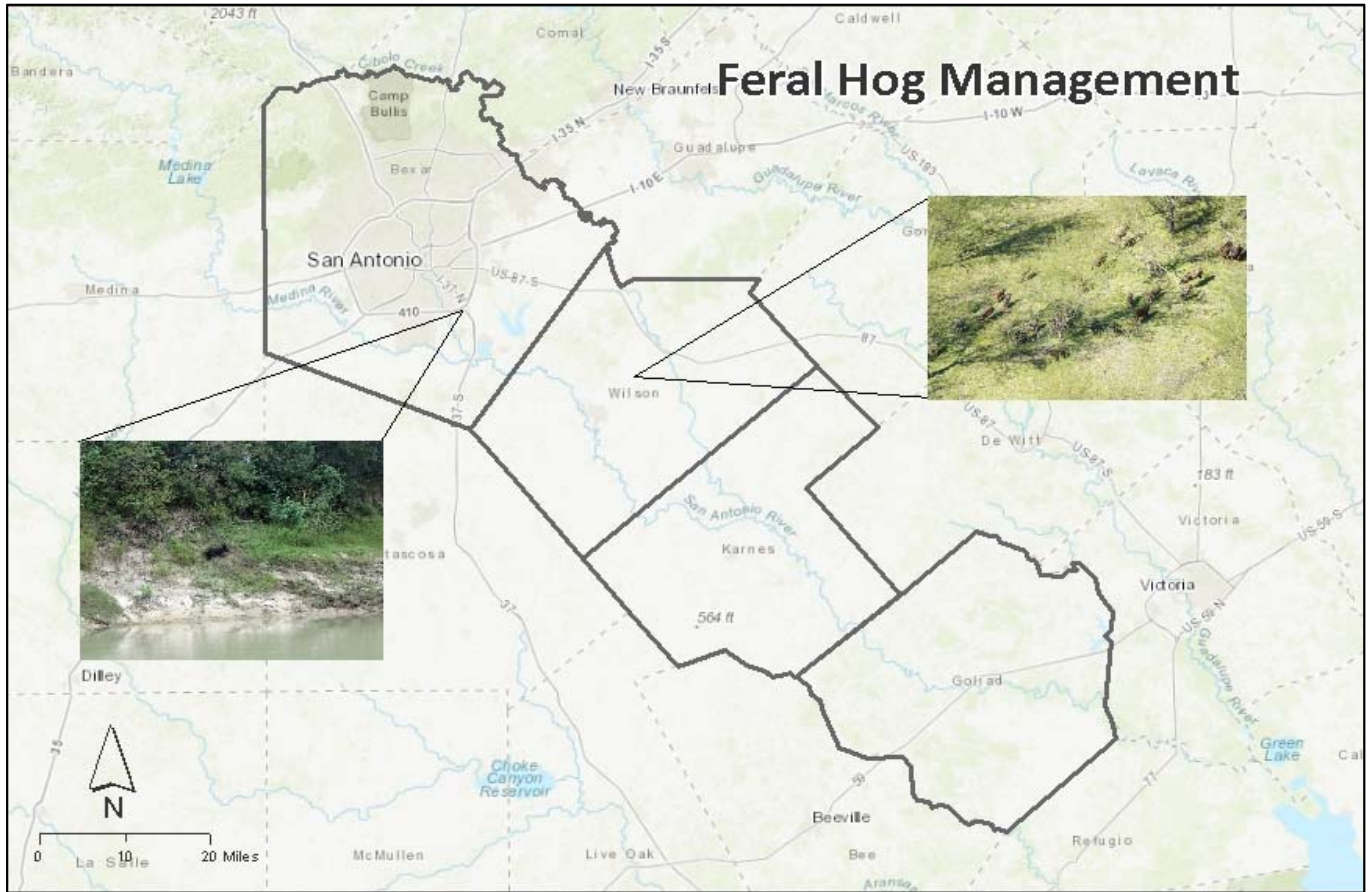
The Edwards Aquifer Watershed Protection project aligns with the River Authority's goal to Enable Policy, Projects and Actions through partnerships and contractual agreements with partners willing to promote sustainable stormwater management through education, research, capital, and other appropriate projects.

The River Authority serves as project manager and administrator of the City of San Antonio Proposition 1 water quality project component of the Edwards Aquifer Protection Program (EAPP). The EAPP's water quality projects component funds research and implementation of best management practices (BMPs) to protect and improve water quality over the Edwards Aquifer recharge and contributing zones in urbanized Bexar County. In addition to project management and administration, the River Authority's scope also includes providing expertise and support to the City of San Antonio and to Proposition 1-funded entities.

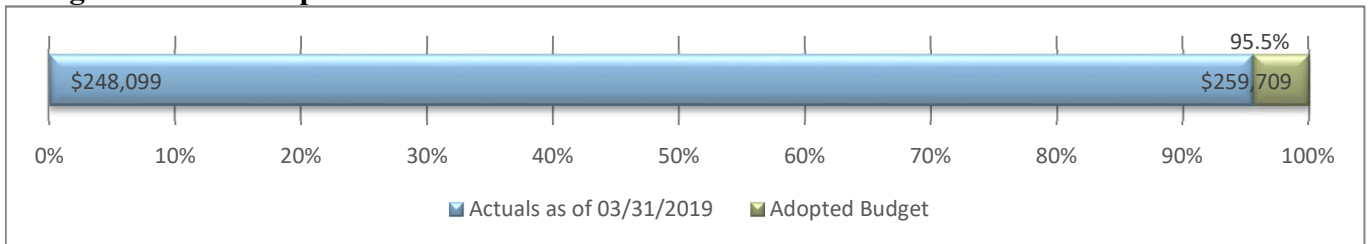
The FY 2019/20 budget funds staff time to manage the scoring, selection, contracting, monthly reporting, and implementation monitoring of projects funded by the City's Proposition 1 program; and staff time and funding to support other water quality projects in the Edwards region. The City of San Antonio is responsible for any future operations and maintenance costs that may be associated with the Proposition 1 funded projects.

### Spending Plan of Total Project Budget

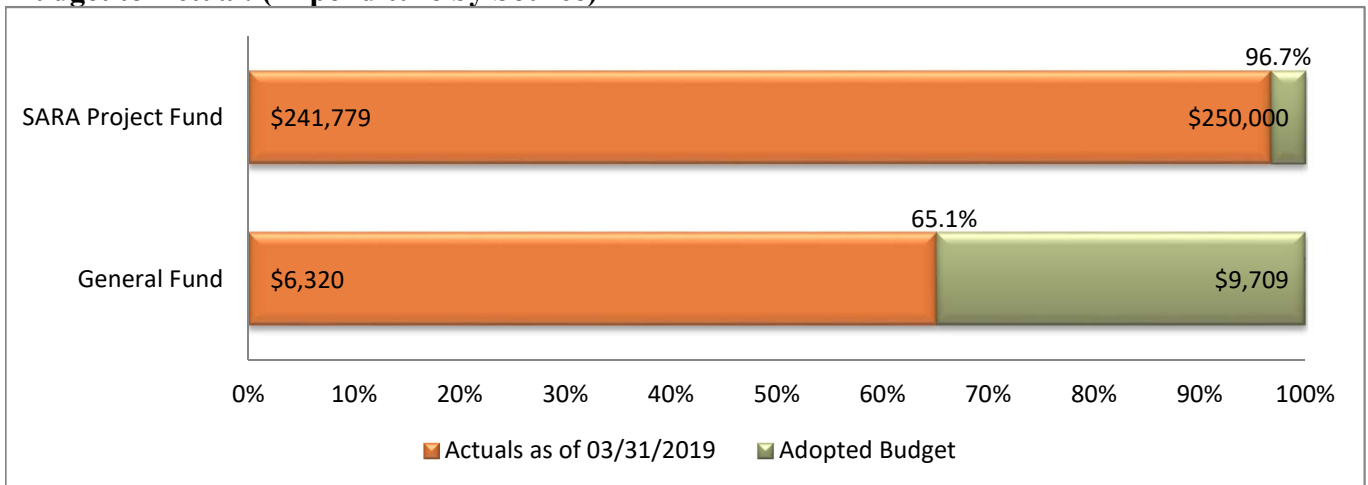
<b>Expenditures</b>	Actuals as of <u>March 31, 2019</u>	<u>April 1, 2019</u> to <u>June 2020</u>	<u>2020/21</u>	Succeeding from <u>2021</u>	<u>Total</u>
Personnel	\$ 196,578	\$ 95,423	\$ 67,536	\$ 98,655	\$ 458,192
Contracted & Other Services	<u>133,521</u>	<u>54,107</u>	<u>-</u>	<u>-</u>	<u>187,628</u>
Total	<u>\$ 330,099</u>	<u>\$ 149,530</u>	<u>\$ 67,536</u>	<u>\$ 98,655</u>	<u>\$ 645,820</u>



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**



<b>Project Name:</b>	<b>Feral Hog Management</b>	<b>Project #</b>	<b>0510</b>
Managing Department:	Environmental Sciences		
		Adopted Budget:	\$ 250,000
		SARA Contribution:	\$ 9,709
Project Start Date:	7/1/2015	Unfunded Plan:	\$ -
Project Finish Date:	6/30/2019	Total Project:	\$ 259,709

Texas is home to about 2.6 million feral hogs which cause an estimated \$500 million annually in damages to rural and urban areas in Texas. The hogs cause damage to riparian areas along streams, increasing erosion. Feral hogs defecate in and around water, increasing levels of bacteria and nutrients in creeks and rivers. Efforts from this continued project work towards generating lasting and recognized improvements to the health and safety of the creeks, rivers, estuaries and bays.

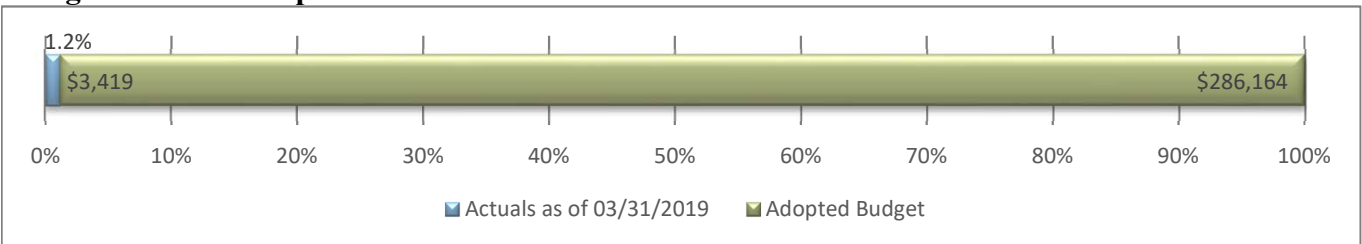
The Feral Hog Management project, in its fourth year, continues to develop relationships and fund activities with other agencies to develop strategies that will work to manage the feral hog population in the San Antonio River Authority's district. This project implements wildlife best management practices in the district to improve water quality and promote riparian health.

The project will close out in FY 2018/19.

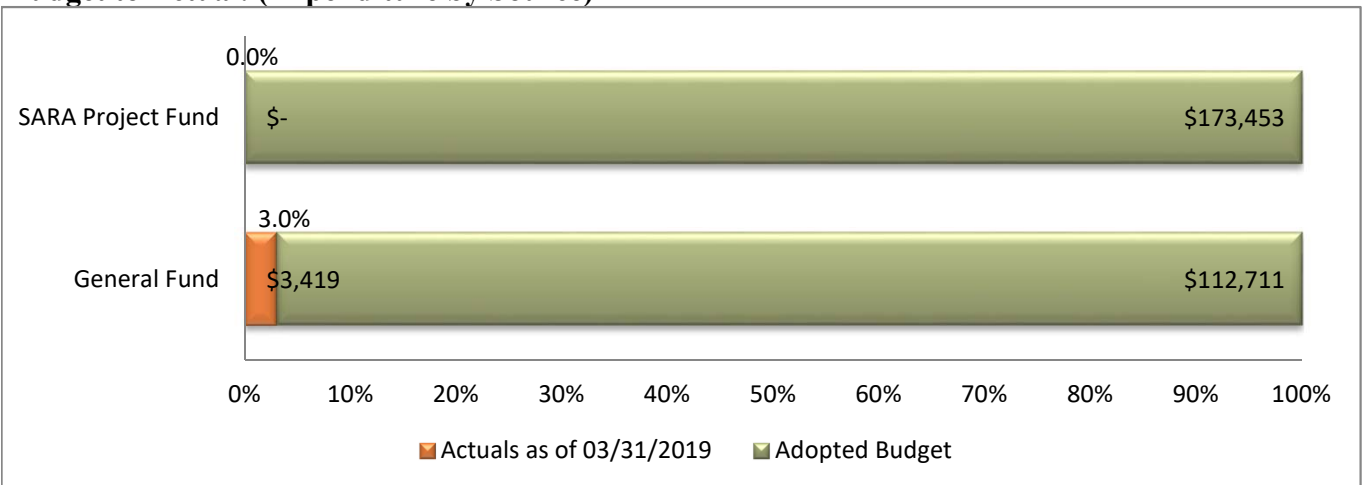
<b>Spending Plan of Total Project Budget</b>					
	Actuals	<u>April 1, 2019</u>		Succeeding	
	as of	to		from	
<b>Expenditures</b>	<u>March 31, 2019</u>	<u>June 2020</u>	<u>2020/21</u>	<u>2021</u>	<u>Total</u>
Personnel	\$ 6,320	\$ 3,388	\$ -	\$ -	\$ 9,709
Other	241,779	8,221	-	-	250,000
<b>Total</b>	<u>\$ 248,099</u>	<u>\$ 11,610</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 259,709</u>



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**



<b>Project Name:</b>	<b>Freshwater Mussel Propagation</b>	<b>Project #</b>	<b>0608</b>
Managing Department:	Environmental Sciences		
		Adopted Budget:	\$ 173,453
		SARA Contribution:	\$ 112,711
Project Start Date:	7/1/2018	Unfunded Plan:	\$ -
Project Finish Date:	12/31/2021	Total Project:	\$ 286,164

Freshwater mussels are excellent indicators of community health and establish a foundation for the ecological health of the Mission Reach. In addition to being excellent indicator species, mussels are filter feeders which could lead to improved water quality, act as substrate which can help stabilize finer substrates and are a food source for other animals. Taking a proactive stance on freshwater mussel propagation puts the River Authority in an excellent position to establish precluding measures should the United States Fish and Wildlife Services (USFWS) decide to list the golden orb as endangered.

Freshwater mussels are among the most threatened major taxonomic groups of animals worldwide. In the United States alone, 44.1% of all species are listed as extinct, endangered or threatened under the Endangered Species Act (ESA). In Texas, there are currently five candidate species for inclusion in the ESA including the golden orb, which is native to the San Antonio River (SAR) basin. This project will focus on propagation and potential re-introduction of four species that are common in the lower reaches of the San Antonio River. In partnership with USFWS, Phase I will focus on developing propagation and subsequent grow out methodologies for the four species of interest. Phase II will be the production of juveniles by USFWS for re-introduction in to the Mission Reach. SARA would be the first river authority in the state and one of the first Texas entities in general to aggressively pursue mussel propagation/re-introduction as a means to protect and enhance wild populations.

Juveniles from all available species will be produced by USFWS in FY 2019/20 and FY 2020/21. Juveniles will be assessed for in-stream health in FY 2019/20. Production phase will begin for all available species in FY 2019/20 and a minimum of one publication will be submitted to a peer-reviewed journal documenting the status/successes/failures of the project by the end of FY 2020/21.

New funding for FY 2019/20 is \$90,798.

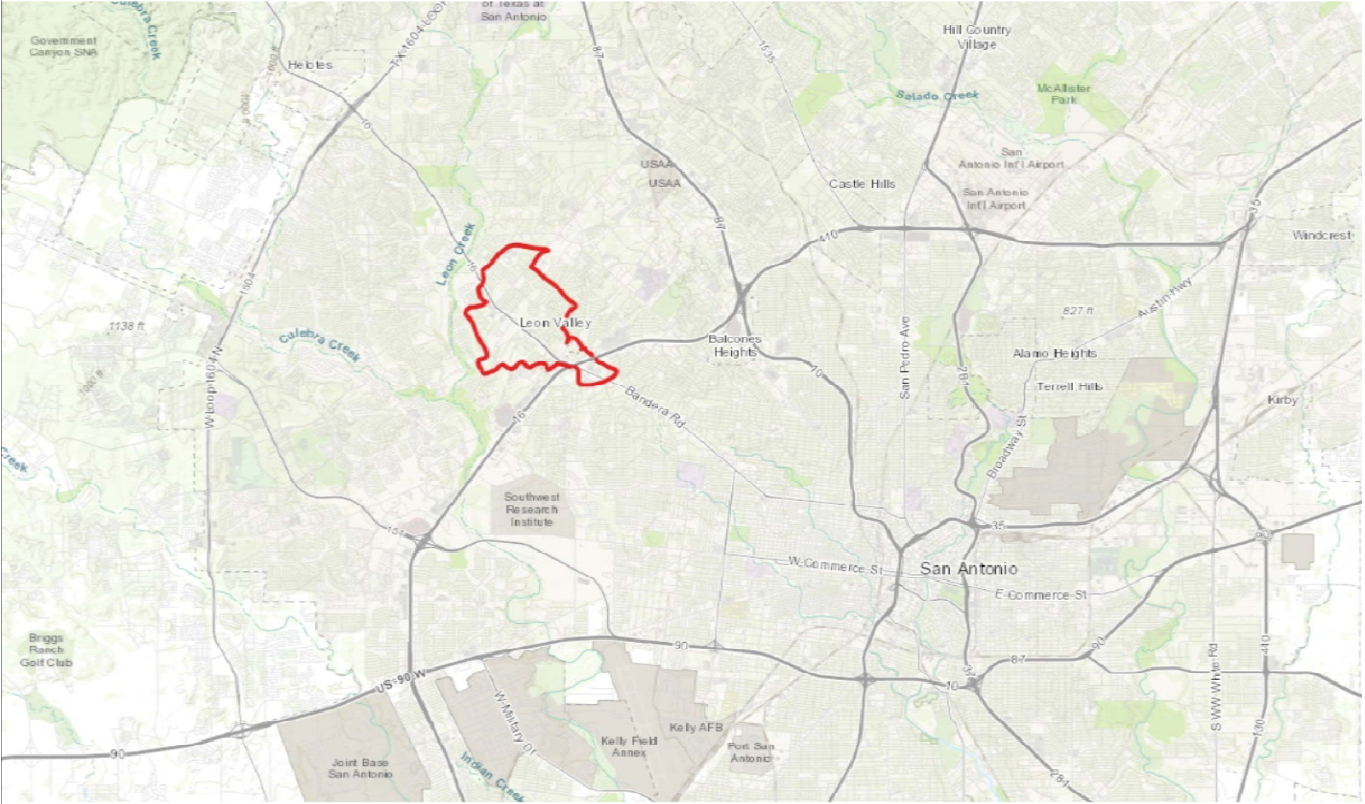
<b>Spending Plan of Total Project Budget</b>					
	Actuals	<u>April 1, 2019</u>		Succeeding	
	as of	to		from	
<b>Expenditures</b>	<u>March 31, 2019</u>	<u>June 2020</u>	<u>2020/21</u>	<u>2021</u>	<u>Total</u>
Personnel	\$ 3,419	\$ 54,646	\$ 54,646	\$ -	\$ 112,711
Other	-	86,727	86,726	-	173,453
<b>Total</b>	<u>\$ 3,419</u>	<u>\$ 141,373</u>	<u>\$ 141,372</u>	<u>\$ -</u>	<u>\$ 286,164</u>

**Project Name:**

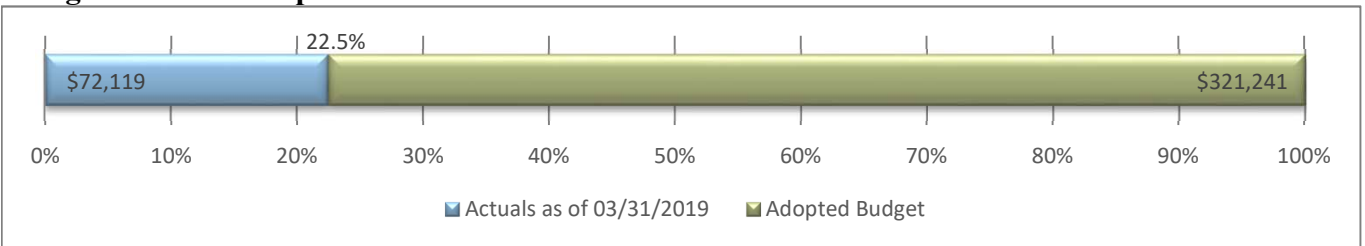
**Huebner Creek Flood Remediation and Aquatic Ecosystem Restoration Project**

**Project #**

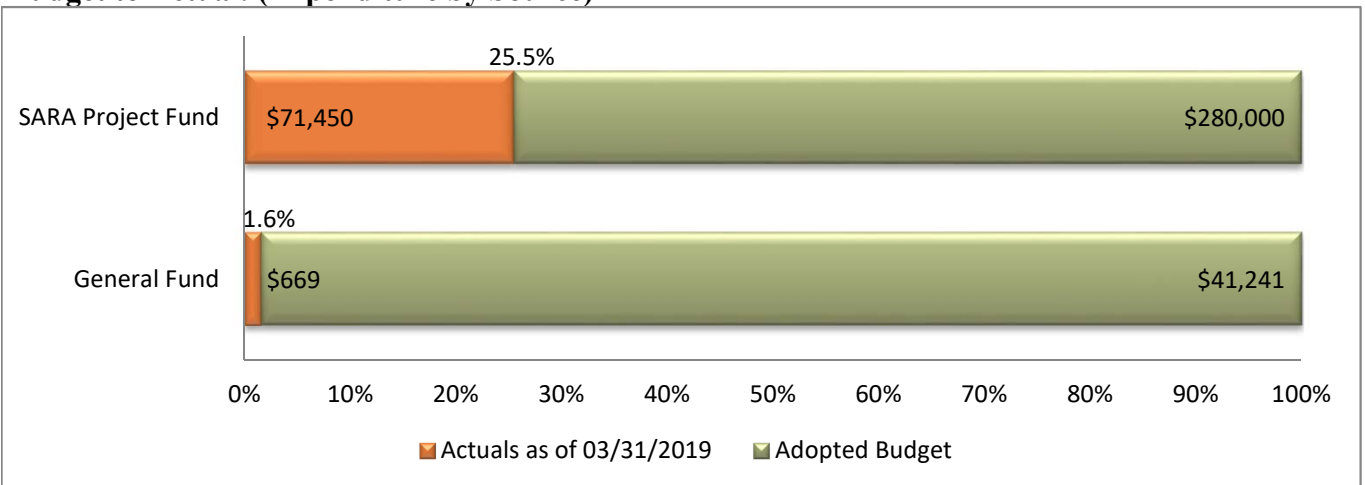
**0609**



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**





**Project Name:** Huebner Creek Flood Remediation and Aquatic Ecosystem Restoration Project **Project #** 0609

Managing Department: Watershed Engineering

		Adopted Budget:	\$	280,000
		SARA Contribution:	\$	41,241
Project Start Date:	3/1/2018	Unfunded Plan:	\$	-
Project Finish Date:	6/30/2020	Total Project:	\$	321,241

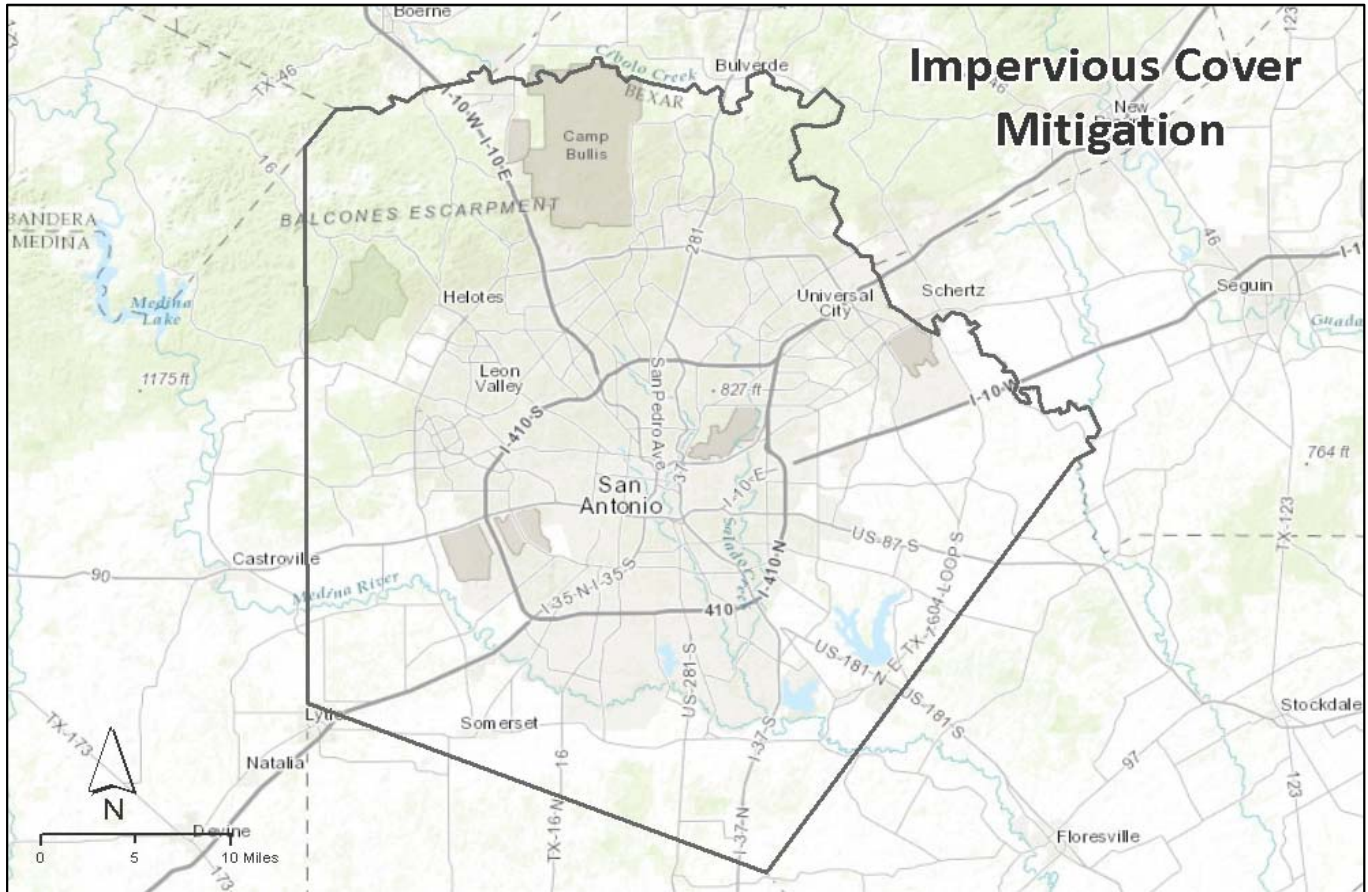
The Huebner Creek Flood Remediation and Aquatic Ecosystem Restoration Project is a Continuing Authorities Program (CAP) under section 205 of the 1948 Flood Control Act, which capitalizes on the resources of the United States Army Corp of Engineers (USACE), the City of Leon Valley, and the River Authority. The project aims to provide local protection from flooding in areas along Huebner Creek between Leon Valley’s northern City limits and the creek’s bridge crossing at Bandera Road. The project's focus is flood control works, but has potential to incorporate ecosystem restoration and/or natural channel design elements.

The Huebner Creek Project will reduce flood risk along Huebner Creek within the project area. The project also includes potential for ecosystem restoration and/or natural channel design and building and maintaining relationships with the City of Leon Valley, USACE, and other potential partners.

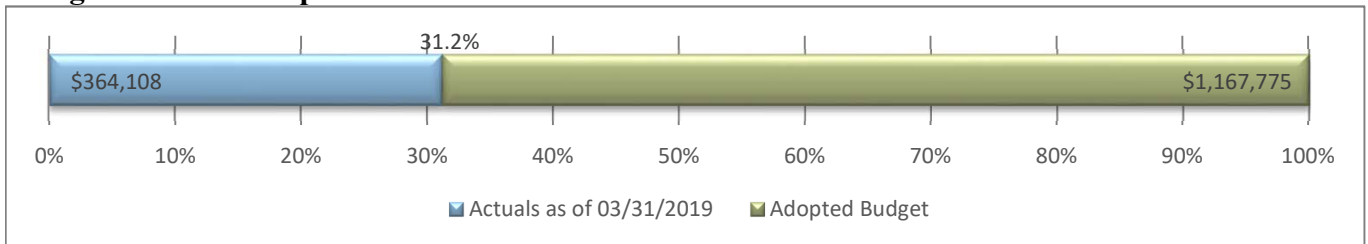
During FY 2019/20, a Feasibility Study will be completed. In the following years, design plans and specifications, and eventually project construction will be delivered.

**Spending Plan of Total Project Budget**

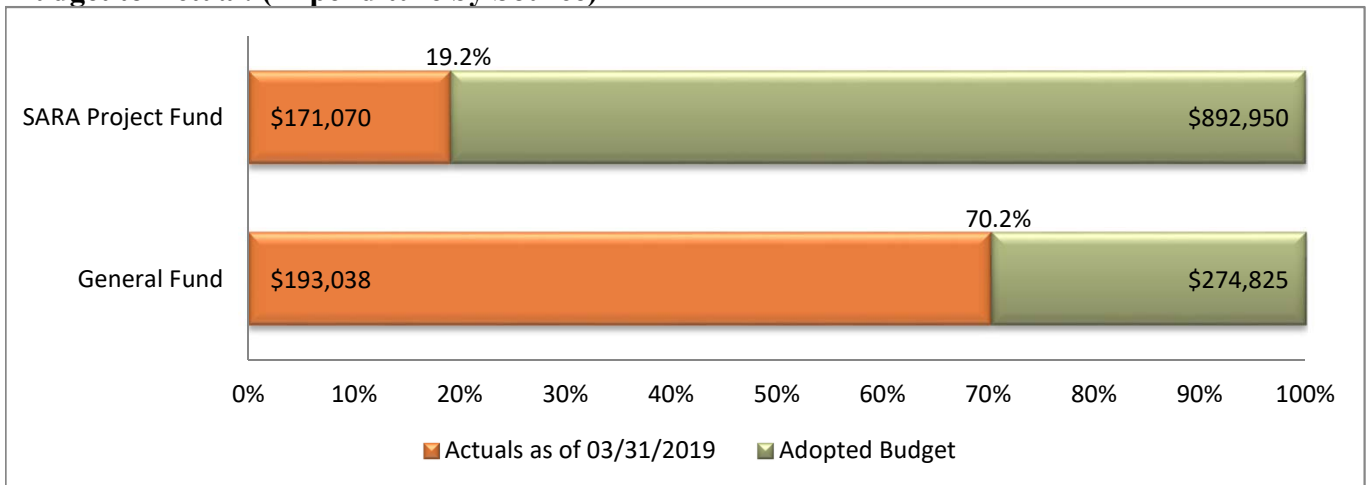
<b>Expenditures</b>	Actuals	<u>April 1, 2019</u>		Succeeding	
	as of	to		from	
	<u>March 31, 2019</u>	<u>June 2020</u>	<u>2020/21</u>	<u>2021</u>	<u>Total</u>
Personnel	\$ 669	\$ 40,572	\$ -	\$ -	\$ 41,241
Contracted & Other Services	71,450	208,550	-	-	280,000
<b>Total</b>	<b>\$ 72,119</b>	<b>\$ 249,122</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 321,241</b>



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**



<b>Project Name:</b>	<b>Impervious Cover Mitigation</b>	<b>Project #</b>	<b>0564</b>
Managing Department:	Environmental Sciences		
		Adopted Budget:	\$ 892,950
		SARA Contribution:	\$ 274,825
Project Start Date:	11/15/2016	Unfunded Plan:	\$ -
Project Finish Date:	12/31/2021	Total Project:	\$ 1,167,775

In 2016, the San Antonio City Council approved a Comprehensive Plan, Sustainability Plan, and Transportation Plan under the name SA Tomorrow. SA Tomorrow identifies 13 regional centers throughout the city that will see significant growth in the next 20 years and addresses the new development within those centers needed to accommodate a projected 1.1 million additional residents. SA Tomorrow makes reference to impervious cover, its potential impacts on flood management and water quality, and potential policy changes that may result as the SA Tomorrow plan moves into its implementation phase.

The River Authority is uniquely qualified to provide science-based technical data and analyses to foster the City's efforts in establishing sound policy to mitigate any impacts of increased impervious cover on San Antonio watersheds. The River Authority utilizes GIS impervious cover and land-use data, historic water quality and flow data, water quality and hydrology and hydraulic models, trash loading, and economic analyses to quantify impacts of unmitigated and mitigated development on receiving watersheds. The River Authority's work will result in technical and economic assessments and mitigation, messaging, and policy recommendations upon which the City may base development code and other policy amendments.

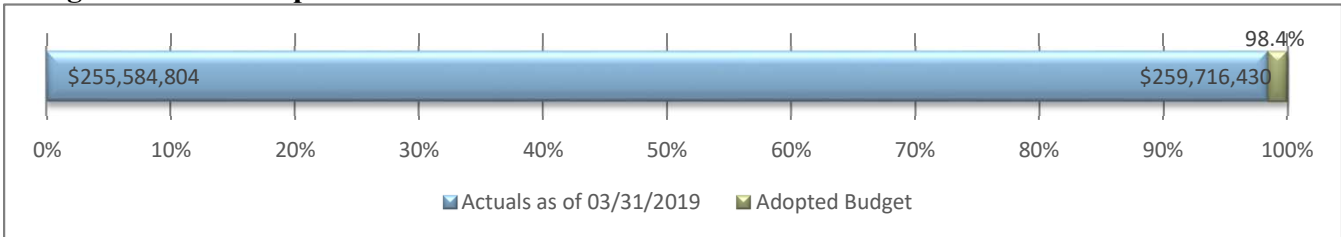
In FY 2019/20, funding will allow River Authority staff to perform watershed analyses on the Rolling Oaks phase 3 regional center and to acquire data required to initiate analysis on phase 4 community areas in west/northwest San Antonio. In addition, the River Authority will continue to support the Brooks Development Authority's (BDA) efforts to implement development policy within its jurisdiction to provide increased watershed protections and quality of life benefits for the residents, businesses, and visitors to the area.

New funding for FY 2019/20 is \$136,438.

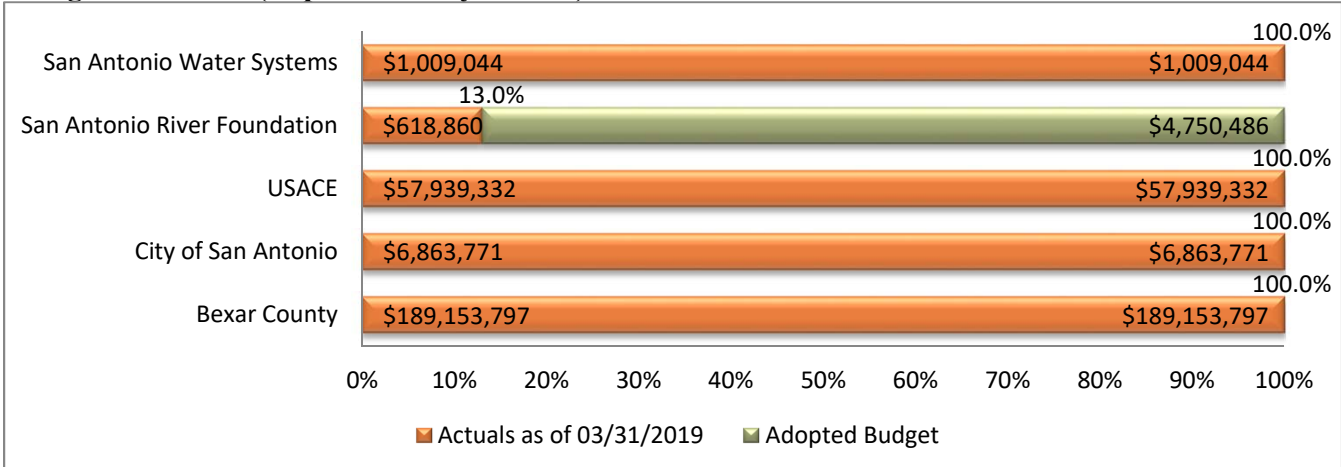
<b>Spending Plan of Total Project Budget</b>					
	Actuals	<u>April 1, 2019</u>		Succeeding	
	as of	to		from	
<b>Expenditures</b>	<u>March 31, 2019</u>	<u>June 2020</u>	<u>2020/21</u>	<u>2021</u>	<u>Total</u>
Personnel	\$ 193,038	\$ 81,787	\$ -	\$ -	\$ 274,825
Contracted & Other Services	171,070	429,379	292,501	-	892,950
<b>Total</b>	<b>\$ 364,108</b>	<b>\$ 511,166</b>	<b>\$ 292,501</b>	<b>\$ -</b>	<b>\$ 1,167,775</b>



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**



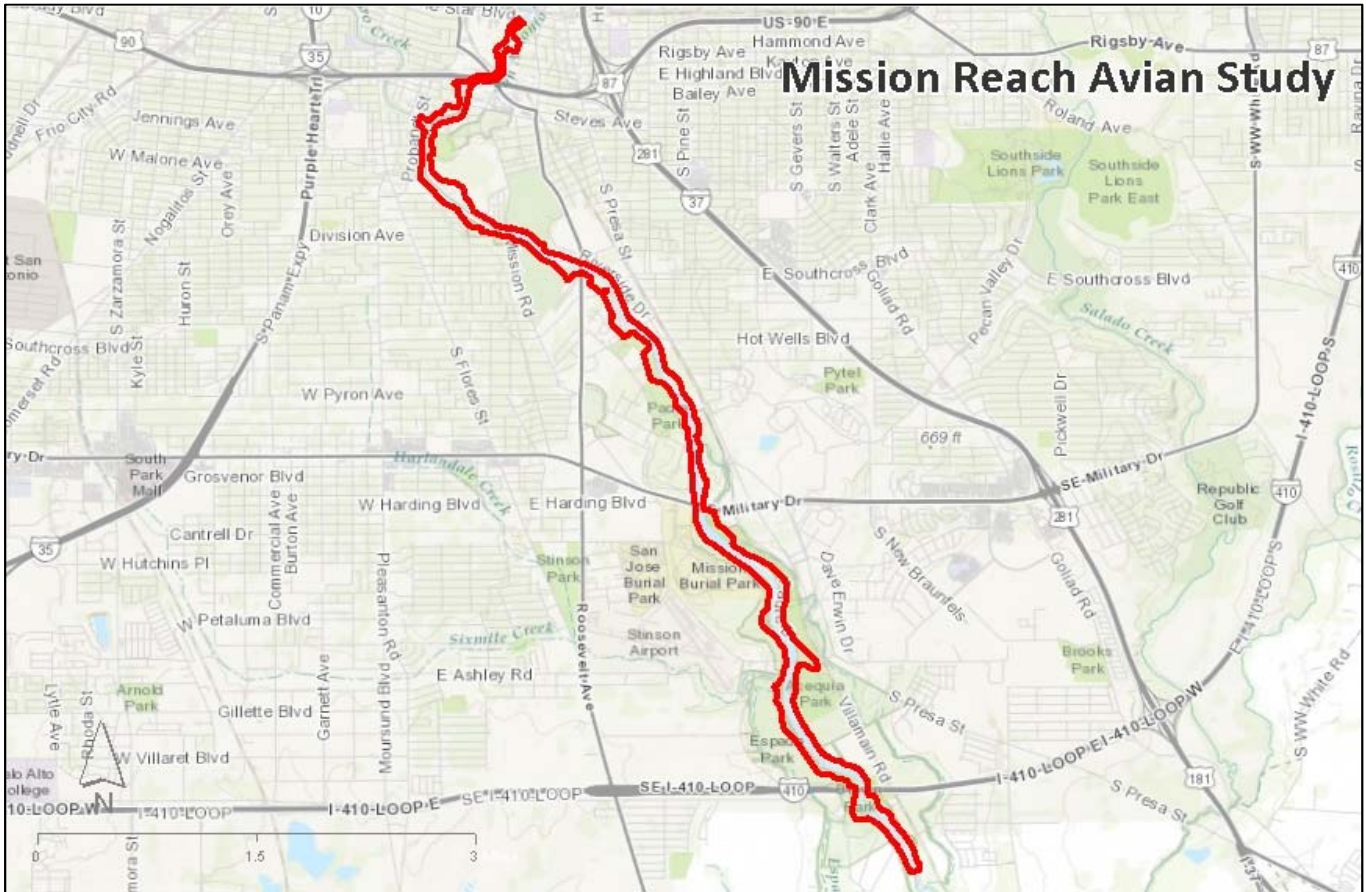
<b>Project Name:</b>	<b>Mission Reach</b>	<b>Project #</b>	<b>0136</b>
Managing Department:	Watershed Engineering		
		Adopted Budget:	\$259,716,430
		SARA Contribution:	\$ -
Project Start Date:	1/1/1998	Unfunded Plan:	\$ -
Project Finish Date:	12/31/2020	Total Project:	\$259,716,430

The Mission Reach project is a joint effort between the U.S. Army Corps of Engineers (USACE), Bexar County, City of San Antonio, and the San Antonio River Authority to provide ecosystem restoration while maintaining or improving flood reduction benefits to the San Antonio River from Lone Star Boulevard to Mission Espada. The San Antonio River Oversight Committee provided public direction and input. Preliminary authorization for the Historic Mission Reach was substantially completed in October 2003. The locally prepared design with modifications was selected by the USACE as the preferred plan; final design began in October 2004. Through the co-commitment of local and federal funding, Phase construction was completed in December 2009. Phase 2 construction was completed in May of 2011 with a formal grand opening of Phases 1 and 2 in June 2011. The last portion, Phase 3 construction, was completed in August 2013.

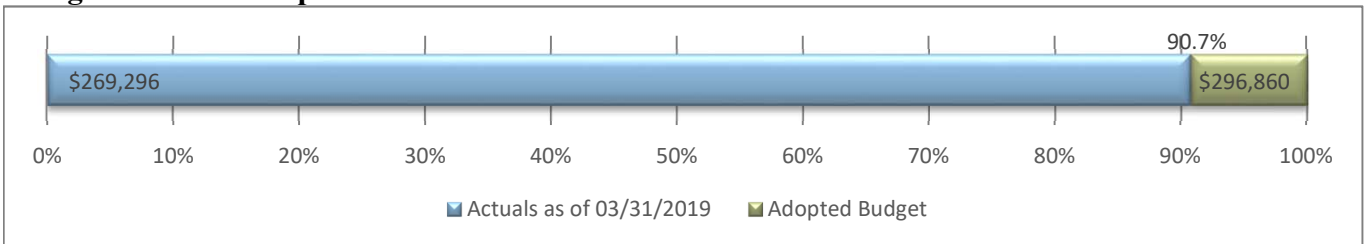
In FY 2019/20, the project team will complete the land exchange with National Park Service and the floodplain map revision. Operations and maintenance costs for this project are included in the FY 2019/20 Adopted Budget.

**Spending Plan of Total Project Budget**

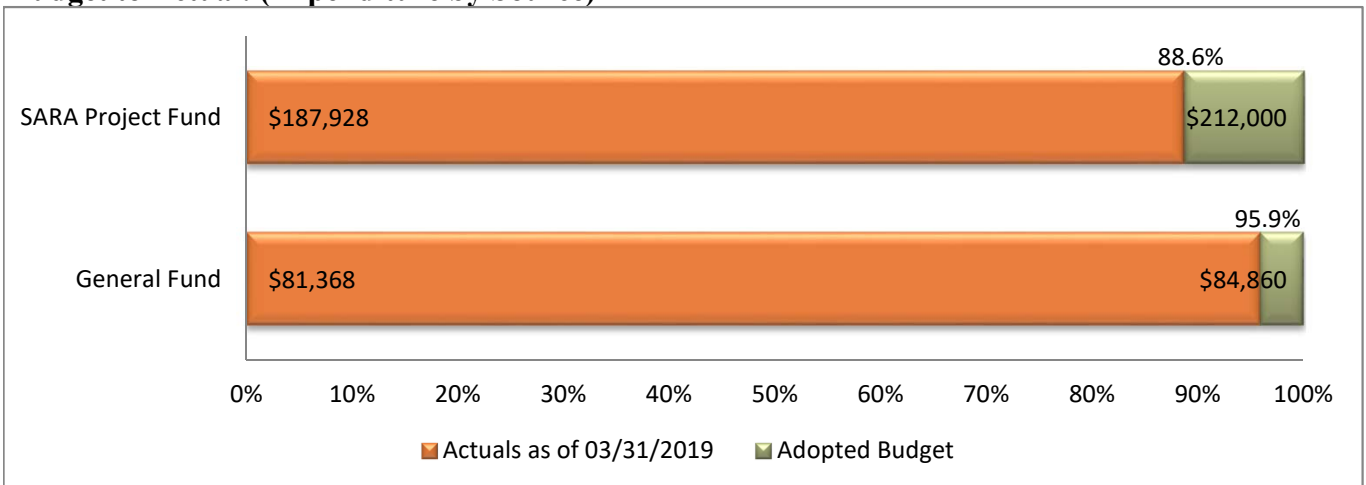
	Actuals as of	<u>April 1, 2019</u> to		Succeeding from	
<b>Expenditures</b>	<u>March 31, 2019</u>	<u>June 2020</u>	<u>2020/21</u>	<u>2021</u>	<u>Total</u>
Right-of-Way Acquisitio	\$ 10,197,376	\$ 4,718	\$ -	\$ -	\$ 10,202,094
Pre-Design	2,183,170	-	-	-	2,183,170
Design	28,300,366	-	-	-	28,300,366
Construction	<u>214,126,801</u>	<u>4,903,999</u>	<u>-</u>	<u>-</u>	<u>219,030,800</u>
Total	<u>\$254,807,713</u>	<u>\$ 4,908,717</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$259,716,430</u>



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**



<b>Project Name:</b>	<b>Mission Reach Avian Study</b>	<b>Project #</b>	<b>0502</b>
Managing Department:	Environmental Sciences		
		Adopted Budget:	\$ 212,000
		SARA Contribution:	\$ 84,860
Project Start Date:	7/1/2015	Unfunded Plan:	\$ -
Project Finish Date:	6/28/2019	Total Project:	\$ 296,860

The Mission Reach Avian Study enhances community appreciation for and recreational use of the San Antonio River by documenting avian species along Mission Reach, utilizing the data to demonstrate the benefits of the ecosystem restoration project, and sharing information about the types and locations of avian species present in the Mission Reach with the community.

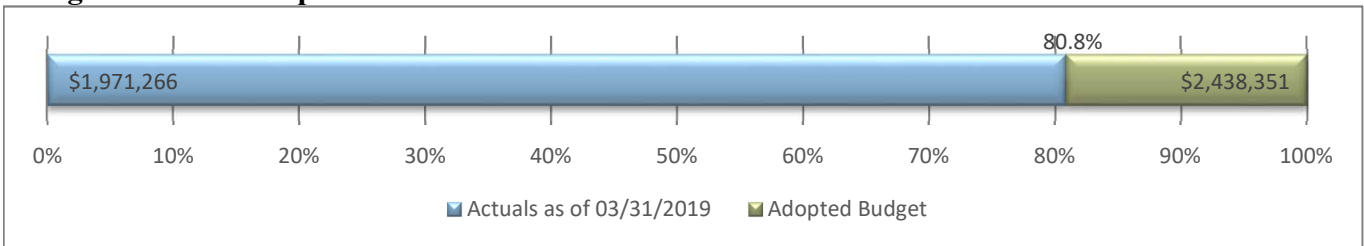
The study is a three year study that documents avian species within the Mission Reach Ecosystem Restoration and Recreation Project. Incidental and point count surveys are used to document avian species found in the project area. The incidental survey data is being used to prepare an avian checklist for the project that will be used for a variety of education and outreach purposes. The point count survey data establishes a baseline data set that can be used in the future for statistical analysis of the project outcomes as they relate to avian habitat being provided on the Mission Reach.

In FY 2018/19, the River Authority will complete the data collection and analysis for this three-year study. The information will serve as a baseline to demonstrate future benefits of the Mission Reach ecosystem restoration project and will provide information about the types and locations of avian species present in the Mission Reach.

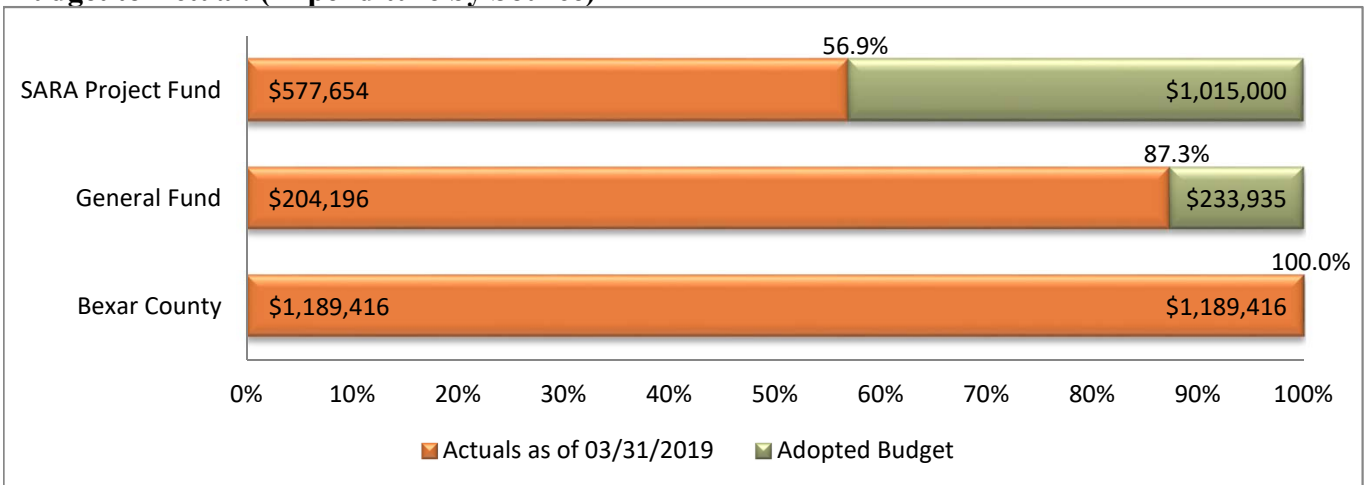
<b>Spending Plan of Total Project Budget</b>					
	Actuals as of	<u>April 1, 2019</u> to		Succeeding from	
<b>Expenditures</b>	<u>March 31, 2019</u>	<u>June 2020</u>	<u>2020/21</u>	<u>2021</u>	<u>Total</u>
Personnel	\$ 81,379	\$ 3,481	\$ -	\$ -	\$ 84,860
Contracted & Other Services	187,928	24,072	-	-	212,000
<b>Total</b>	<u>\$ 269,307</u>	<u>\$ 27,553</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 296,860</u>



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**





<b>Project Name:</b>	<b>Mission Reach Erosion Repairs</b>	<b>Project #</b>	<b>0528</b>
Managing Department:	Watershed Engineering		
		Adopted Budget:	\$ 2,204,416
		SARA Contribution:	\$ 233,935
Project Start Date:	3/1/2016	Unfunded Plan:	\$ -
Project Finish Date:	12/31/2020	Total Project:	\$ 2,438,351

The Mission Reach Erosion Repairs project contributes to the health and safety of the San Antonio River by protecting the hike and bike trails and reducing sediment loads within the San Antonio River Mission Reach.

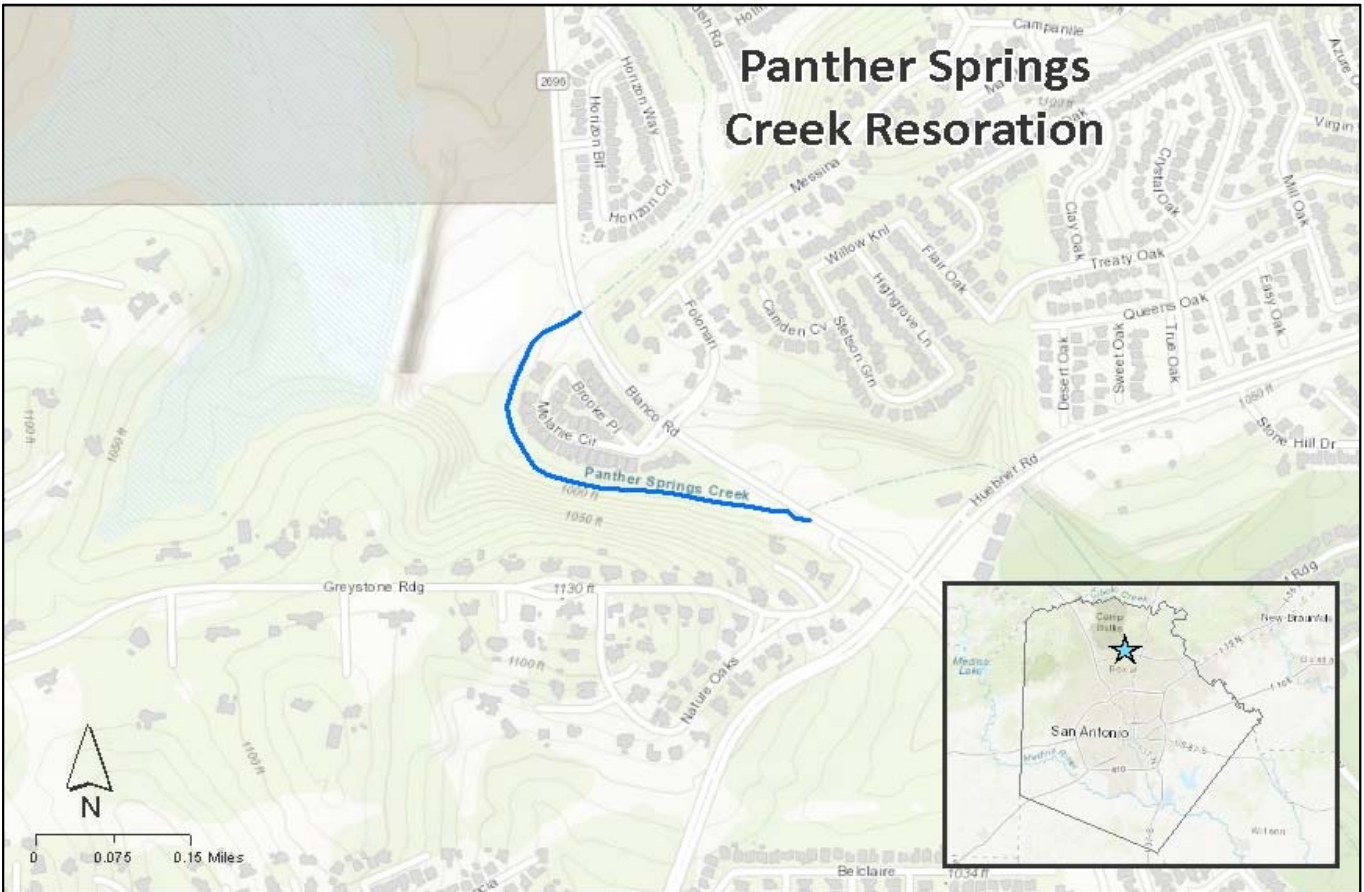
The project funds repairs to address erosion at various locations along the Mission Reach. Two types of repairs are funded - larger, specific projects that address major erosion issues in defined locations (generally requiring outside design and construction services) and smaller area repairs that can be accomplished by staff with outside assistance in some locations.

The larger project areas for erosion repair include Roosevelt Park, downstream of Mitchell Street, the confluence with San Pedro Creek, the rock wall upstream of Mission Road, downstream of Mission Parkway, upstream of Steves Avenue, upstream of Theo Avenue, downstream of the Espada Dam, and various minor repairs.

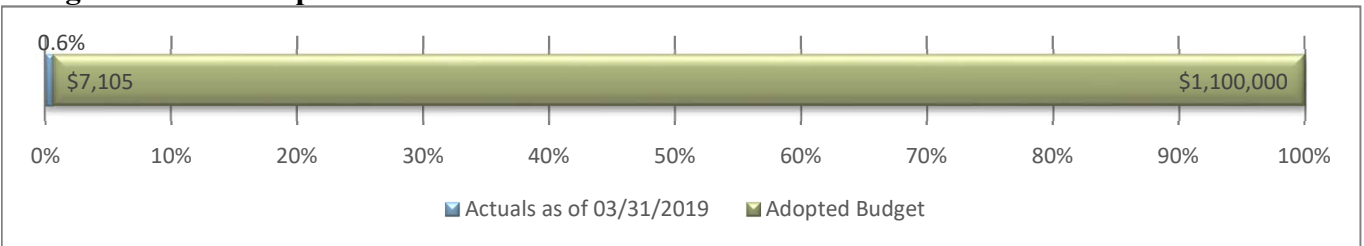
In FY 2019/20, design and construction of the Mitchell Street “green gabion” bank repair project was completed. Final design plans to repair bank erosion near the Lone Star Brewery will be completed near the end of FY19. Construction at the Lone Star site is expected to start in early FY 2019/20. In FY 2018/19, design and construction of a bentonite wall along the San Juan Acequia was completed. The bentonite wall was installed to prevent further trail damage along the San Juan Acequia. Following the bentonite wall installation, approximately 120 feet of damaged trail along the San Juan Acequia was replaced. Also in this same area, a gravity irrigation line will be installed. This irrigation line will divert up to 2 CFS of water from the San Juan Acequia to the San Antonio River. Installation of the irrigation diversion line should be completed before the end of FY19. Also in FY 2018/19, a design for the weir 1 modification was completed. The intended modification to weir 1, located near the COSA tunnel, would decrease the level of impounded water, which in turn will improve operation and maintenance during tunnel de-silting operations. Construction of the weir 1 modification is planned for May 2019.

#### Spending Plan of Total Project Budget

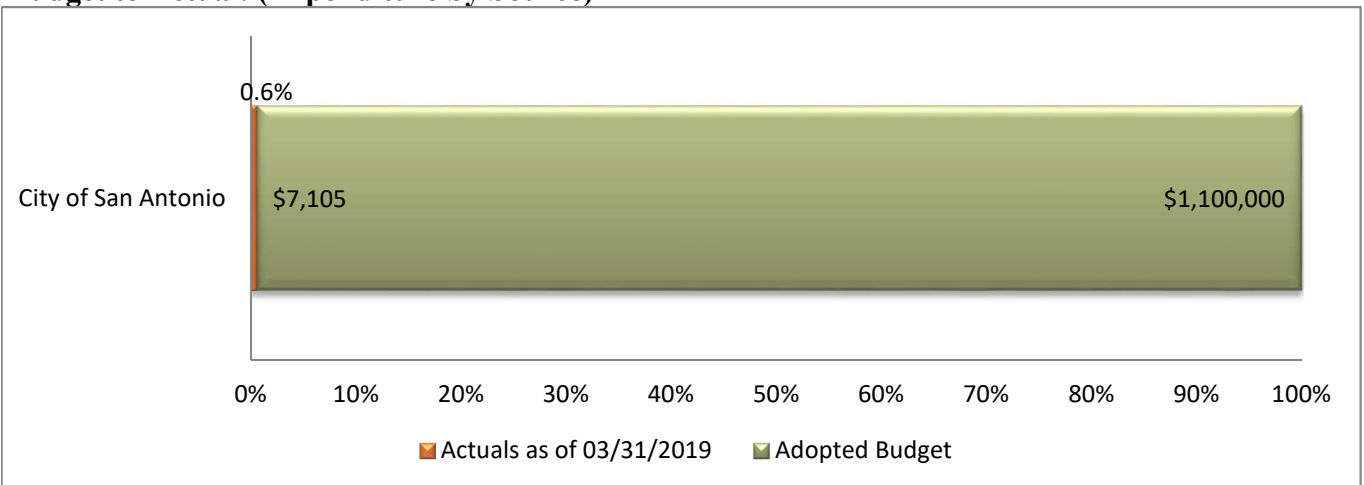
<b>Expenditures</b>	Actuals as of <u>March 31, 2019</u>	<u>April 1, 2019</u> to <u>June 2020</u>	<u>2020/21</u>	Succeeding from <u>2021</u>	<u>Total</u>
Personnel	\$ 141,490	\$ 29,739	\$ -	\$ -	\$ 171,229
Design	125,653	30,096	-	-	155,749
Construction	<u>1,704,123</u>	<u>396,978</u>	<u>-</u>	<u>-</u>	<u>2,101,101</u>
Total	<u>\$ 1,981,538</u>	<u>\$ 456,813</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 2,438,351</u>



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**



<b>Project Name:</b>	<b>Panther Springs Creek Restoration</b>	<b>Project #</b>	<b>0596</b>
Managing Department:	Watershed Engineering		
		Adopted Budget:	\$ 1,100,000
		SARA Contribution:	\$ -
Project Start Date:	12/13/2017	Unfunded Plan:	\$ -
Project Finish Date:	9/1/2020	Total Project:	\$ 1,100,000

The River Authority, on behalf of the City of San Antonio, is overseeing the design and construction of Panther Springs Creek Restoration. The project will modify the existing creek channel and return it to its natural functioning state to alleviate excessive ponding caused by deposition of sediment.

Panther Springs Creek is impaired due to past construction activity adjacent to the channel. As part of the City of San Antonio's 2017-2022 Bond Program, the project will repair issues related to soil deposition and ponding water. The project will involve survey, design, environmental investigations, permit acquisition, and construction.

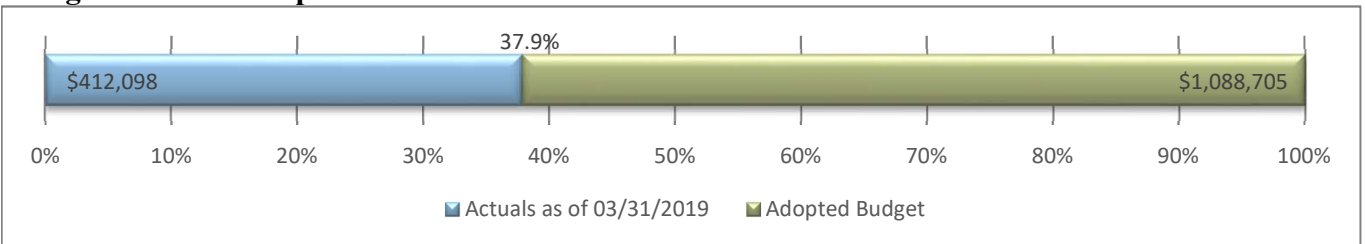
In FY 2018/19, environmental investigations were completed and design and permitting were initiated. Design and permitting will be completed in FY 2019/20, and construction is anticipated to begin in early 2020.

### Spending Plan of Total Project Budget

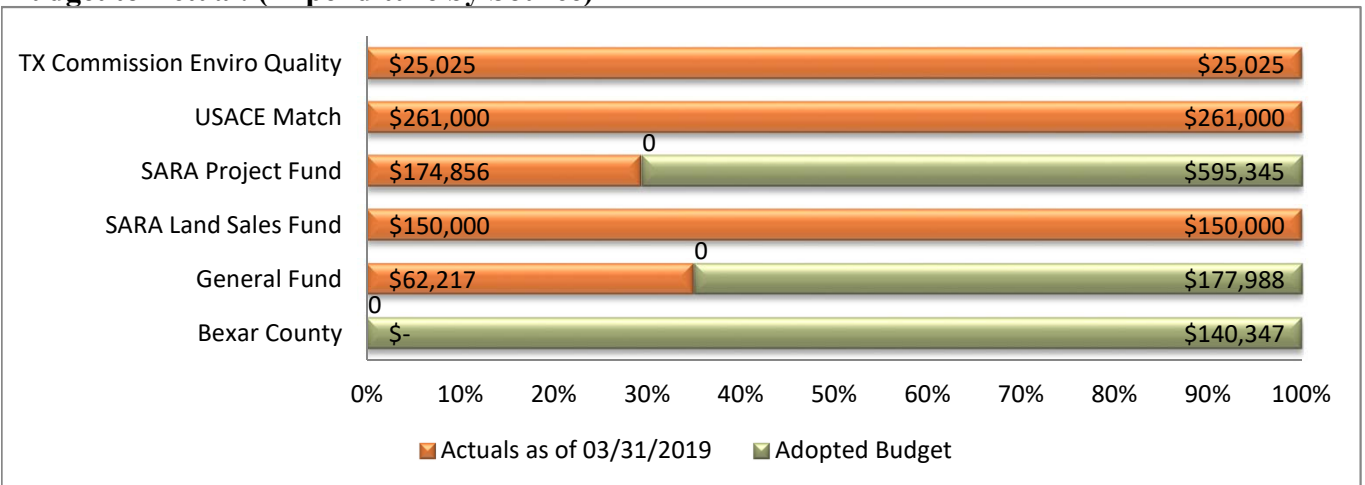
<b>Expenditures</b>	Actuals as of <u>March 31, 2019</u>	April 1, 2019 to <u>June 2020</u>	<u>2020/21</u>	Succeeding from <u>2021</u>	<u>Total</u>
Personnel	\$ 2,943	\$ 79,307	\$ -	\$ -	\$ 82,250
Design	4,162	250,585	-	-	254,747
Construction	-	763,003	-	-	763,003
Total	<u>\$ 7,105</u>	<u>\$ 1,092,895</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 1,100,000</u>



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**



<b>Project Name:</b>	<b>River Road Stream Restoration</b>	<b>Project #</b>	<b>0530</b>
Managing Department:	Watershed Engineering		
		Adopted Budget:	\$ 1,088,705
		SARA Contribution:	\$ 177,988
Project Start Date:	6/15/2013	USACE Match:	\$ 261,000
Project Finish Date:	12/20/2021	Total Project:	\$ 1,527,693

The River Authority is working with the United States Army Corps of Engineers to restore the aquatic ecosystem of the San Antonio River from Mulberry to Woodlawn Streets using natural channel design techniques.

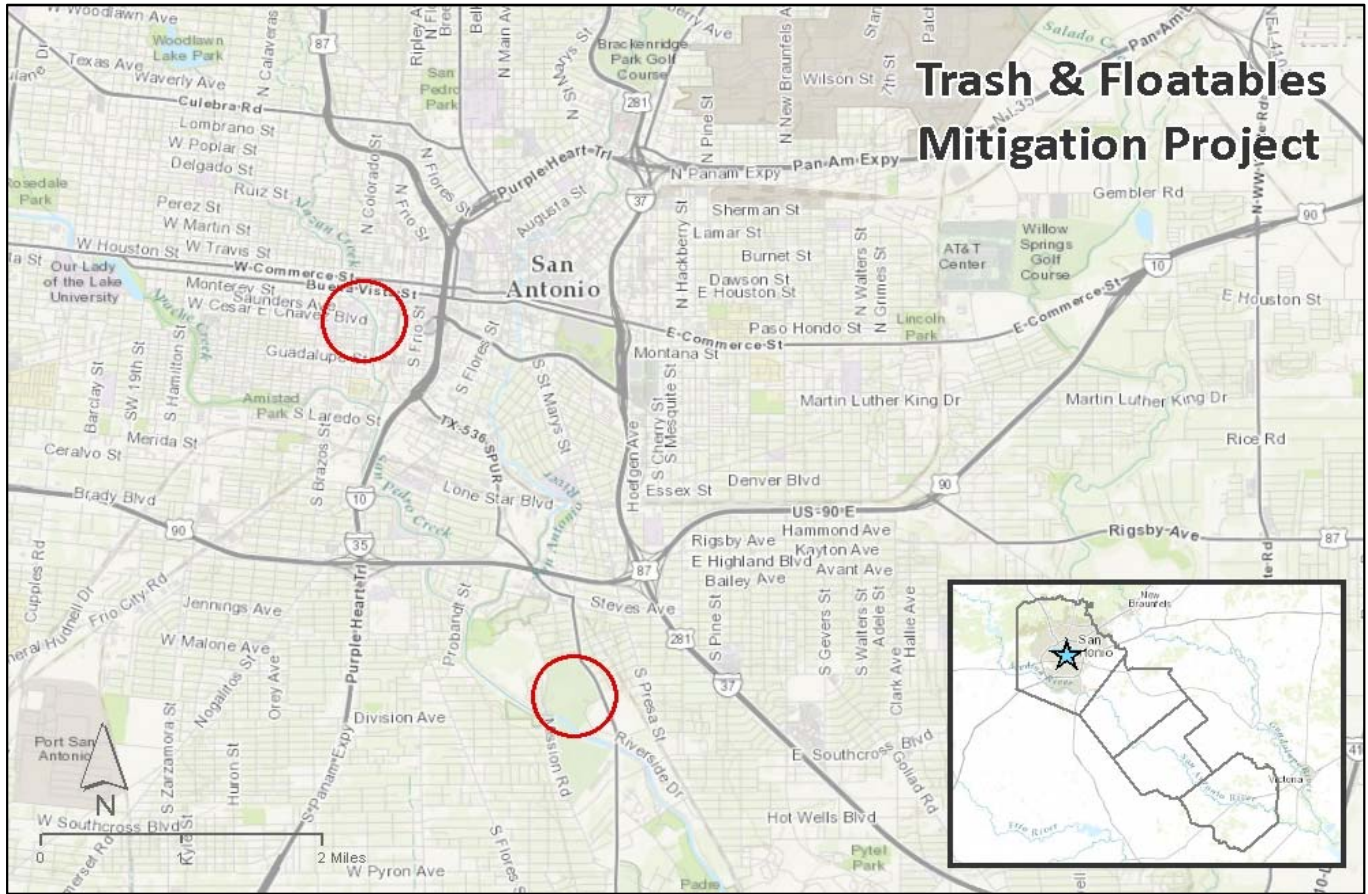
This project designs, constructs, and monitors restoration of a section of the Upper San Antonio River from Mulberry to a point 2700 linear feet downstream. Using this demonstration project, training will be developed and delivered to educate resource managers, designers, and contractors how to plan, manage, design, construct, and maintain stream restoration BMPs.

In FY 2019/20, the River Authority will collaborate with the United States Army Corps of Engineers to conduct a feasibility study of ecosystem restoration project for the San Antonio River within the River Road area. The River Authority will serve as the local sponsor, including conducting outreach with local stakeholders.

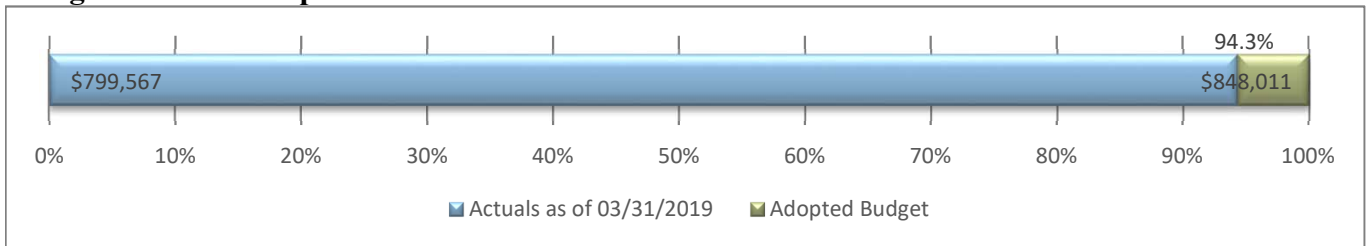
New funding for FY 2019/20 is \$200,000.

### Spending Plan of Total Project Budget

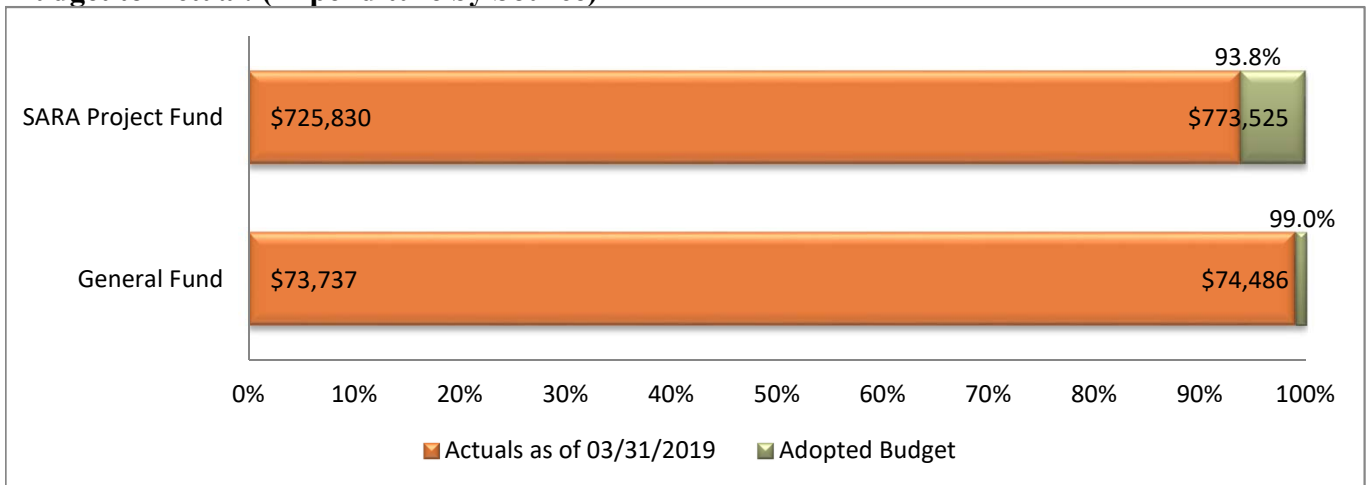
<b>Expenditures</b>	Actuals as of <u>March 31, 2019</u>	<u>April 1, 2019</u> to <u>June 2020</u>	<u>2020/21</u>	Succeeding from <u>2021</u>	<u>Total</u>
Personnel	\$ 62,218	\$ 115,770	\$ -	\$ -	\$ 177,988
Design	348,798	980,825	-	-	1,329,623
Public Outreach	1,083	19,000	-	-	20,083
Total	<u>\$ 412,098</u>	<u>\$ 1,115,595</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 1,527,693</u>



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**



<b>Project Name:</b>	<b>Trash and Floatables Mitigation</b>	<b>Project #</b>	<b>0515</b>
Managing Department:	Watershed Engineering		
		Adopted Budget:	\$ 773,525
		SARA Contribution:	\$ 74,486
Project Start Date:	7/1/2015	Unfunded Plan:	\$ -
Project Finish Date:	6/30/2019	Total Project:	\$ 848,011

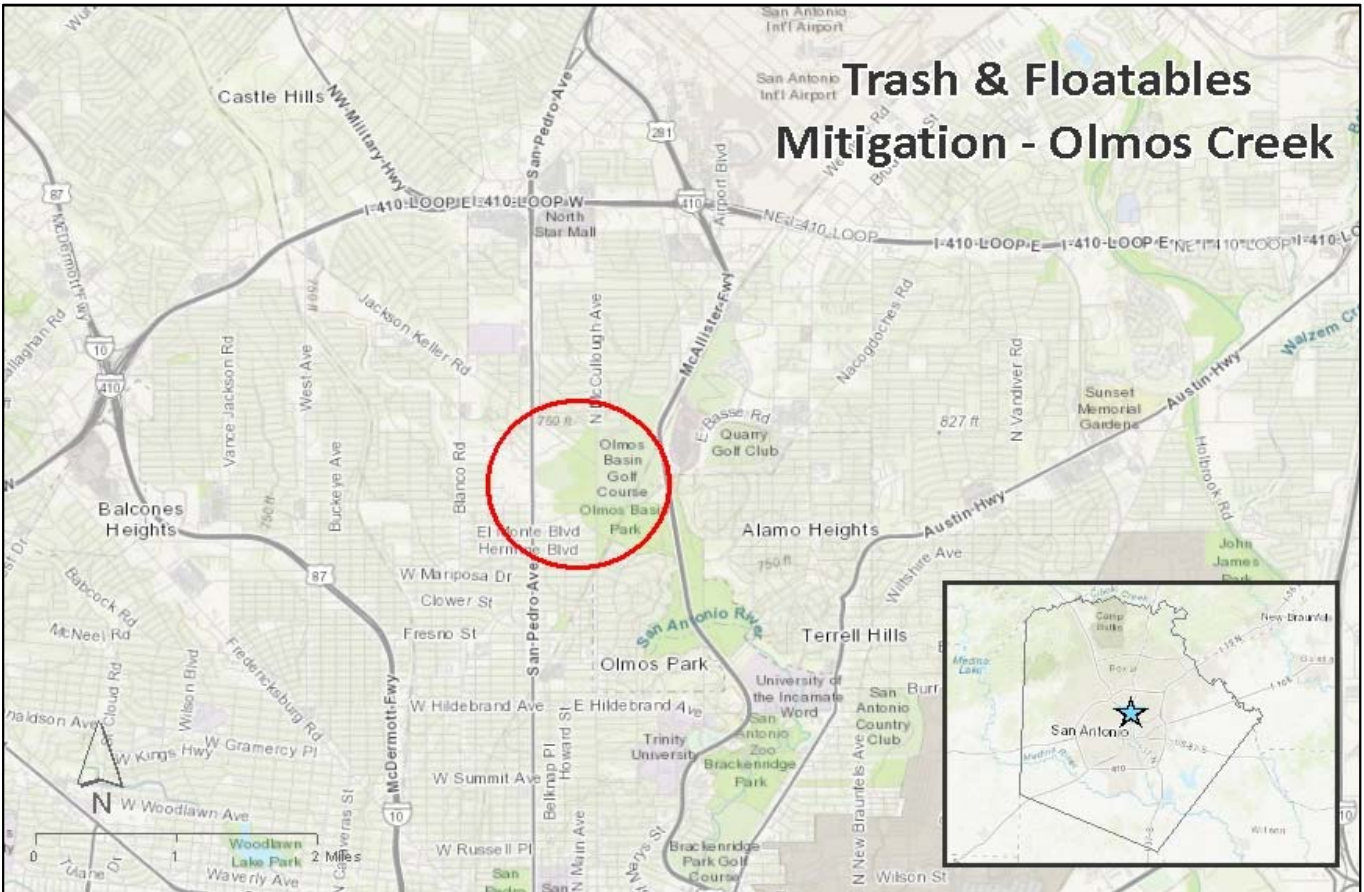
Trash and floatables are unsightly and require extensive labor by local government agencies and community volunteers to remove trash by hand. Trash and floatables also have adverse impacts on aquatic and riparian habitats and impede recreational use of local parks and waterways. By centralizing the collection of trash that is carried by stormwater runoff, this project will enhance the health, aesthetics, and recreational use of the creeks and rivers.

The Trash and Floatables Mitigation project builds on recent trash and floatable studies within the San Antonio River Basin and results in the implementation of in-stream trash collection systems.

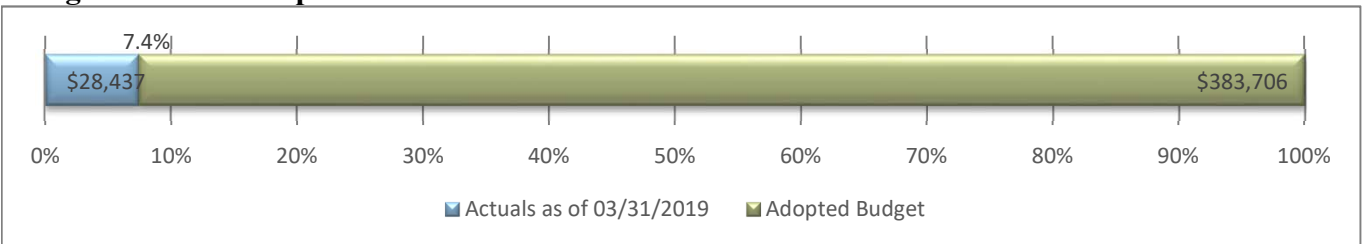
In FY 2018/19, the project will be completed.

### Spending Plan of Total Project Budget

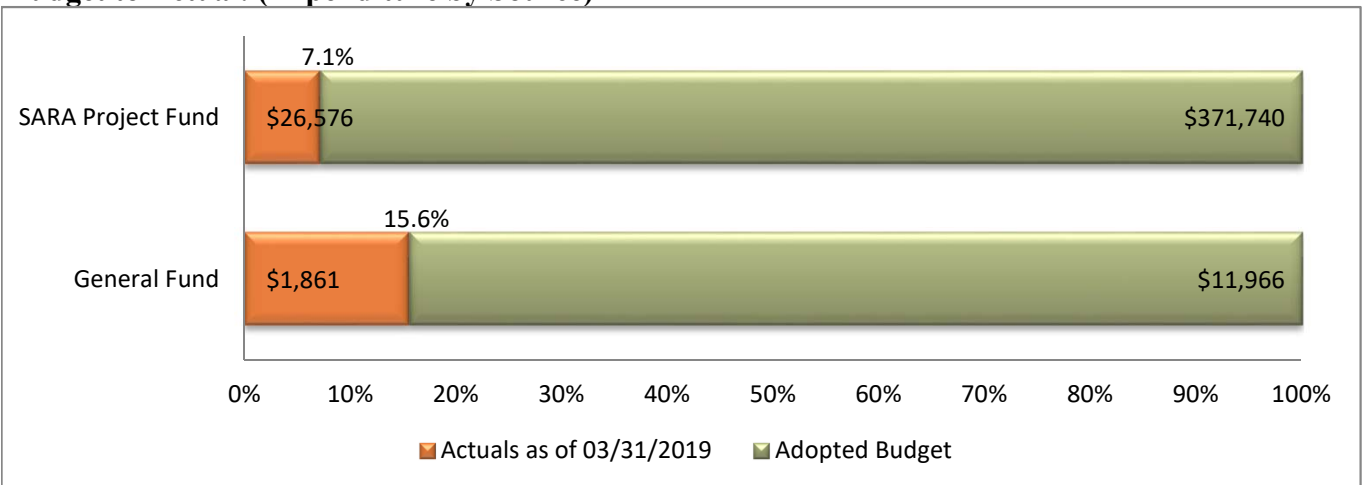
<b>Expenditures</b>	Actuals as of <u>March 31, 2019</u>	<u>April 1, 2019</u> to <u>June 2020</u>	<u>2020/21</u>	Succeeding from <u>2021</u>	<u>Total</u>
Personnel	\$ 72,226	\$ 749	\$ -	\$ -	\$ 72,974
Construction	575,541	12,760	-	-	588,301
Contracted & Other Services	77,939	20,135	-	-	98,074
Capital Outlay	70,000	-	-	-	70,000
Other	3,860	14,801	-	-	18,661
Total	<u>\$ 799,567</u>	<u>\$ 48,445</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 848,011</u>



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**





**Project Name:** Trash and Floatables Mitigation - Olmos Creek **Project #** 0554

Managing Department: Watershed Engineering

		Adopted Budget:	\$	371,740
		SARA Contribution:	\$	11,966
Project Start Date:	7/1/2016	Unfunded Plan:	\$	-
Project Finish Date:	6/30/2020	Total Project:	\$	383,706

Trash and floatables adversely impact aquatic and riparian habitats, impede recreational use of local parks and waterways, are unsightly, and require extensive labor by local government agencies and community volunteers to remove by hand. Through centralizing the collection of trash carried by stormwater runoff, this project addresses a large threat to our creeks and rivers.

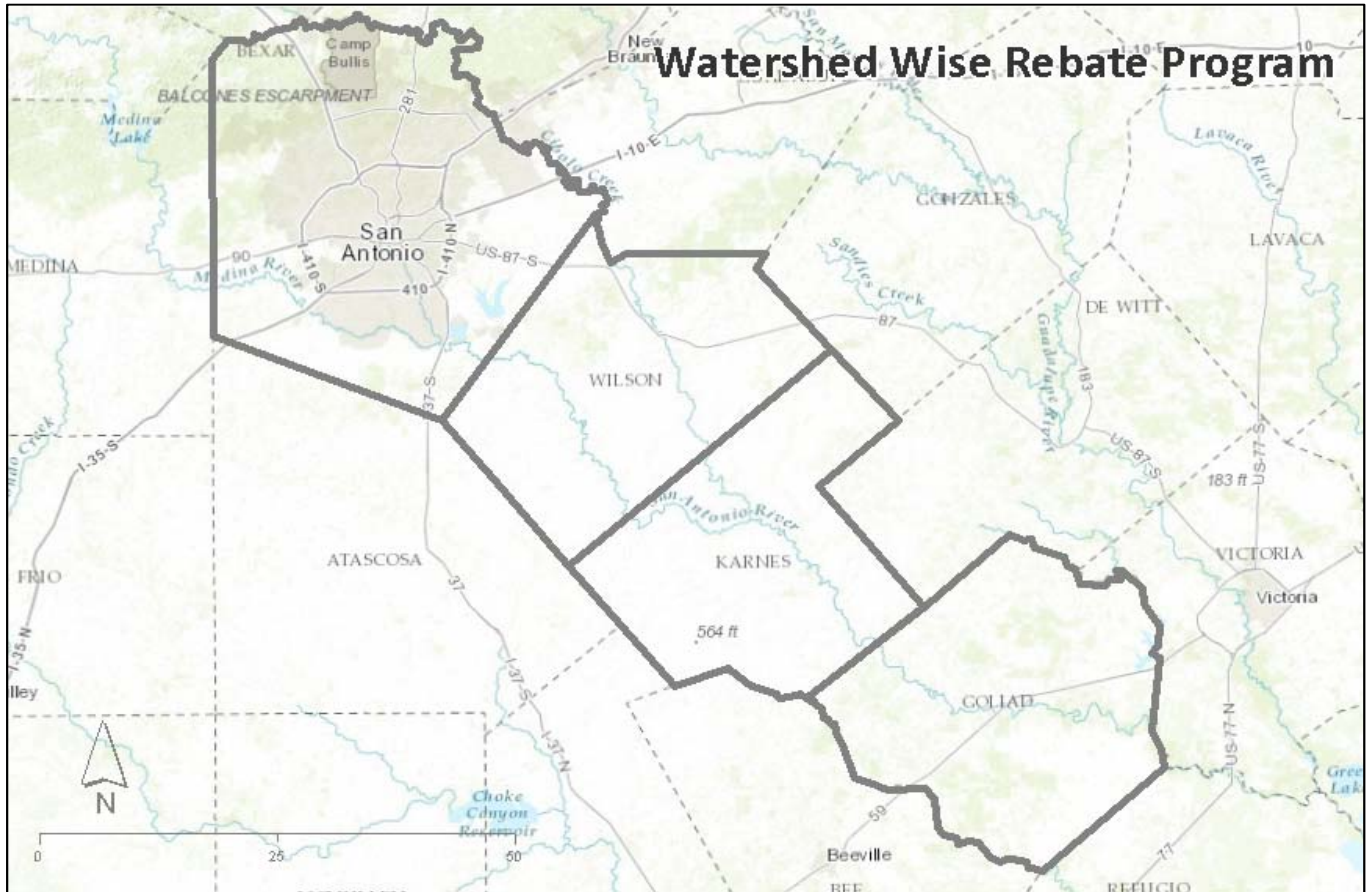
The Trash and Floatables Mitigation - Olmos Creek project builds on recent trash and floatable studies within the San Antonio River Basin and results in the implementation of in-stream trash collection systems.

In FY 2019/20, the River Authority will complete all design activities, construct the facility and enter into a maintenance agreement with the City of San Antonio.

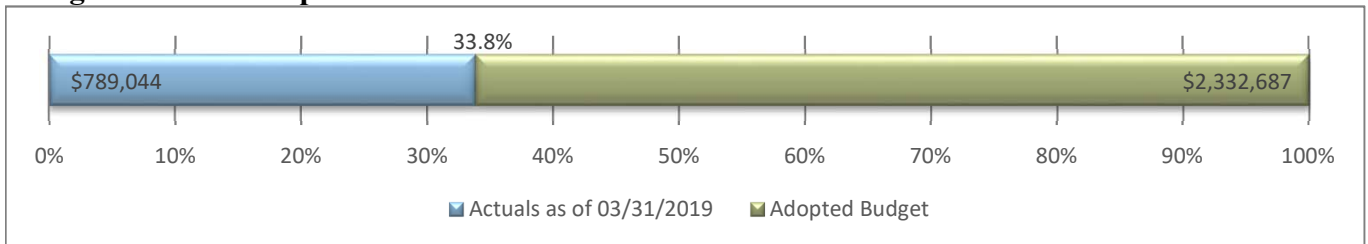
New funding for FY 2019/20 is \$56,000.

### Spending Plan of Total Project Budget

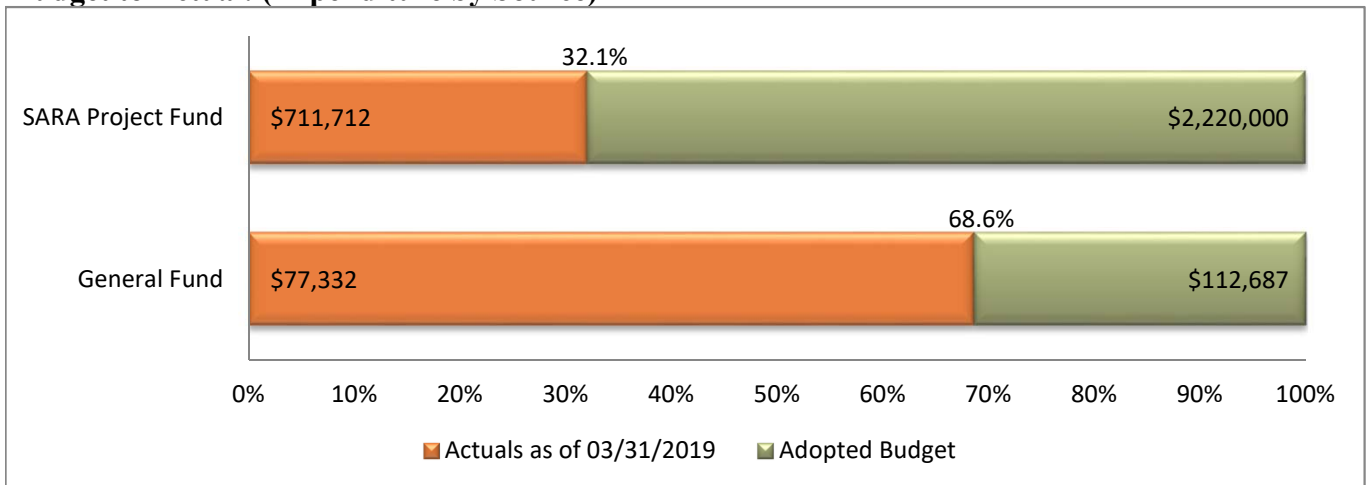
<b>Expenditures</b>	Actuals	April 1, 2019		Succeeding	<u>Total</u>
	as of	to		from	
	<u>March 31, 2019</u>	<u>June 2020</u>	<u>2020/21</u>	<u>2021</u>	
Personnel	\$ 1,861	\$ 10,105	\$ -	\$ -	\$ 11,966
Design	26,576	89,164	-	-	115,740
Construction	-	256,000	-	-	256,000
<b>Total</b>	<u>\$ 28,437</u>	<u>\$ 355,269</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 383,706</u>



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**



<b>Project Name:</b>	<b>Watershed Wise Rebate Program</b>	<b>Project #</b>	<b>0513</b>
Managing Department:	Environmental Sciences		
		Adopted Budget:	\$ 2,220,000
		SARA Contribution:	\$ 112,687
Project Start Date:	7/1/2015	Unfunded Plan:	\$ -
Project Finish Date:	6/30/2020	Total Project:	\$ 2,332,687

The Watershed Wise Rebate Program complements and enhances the results of the new requirements included in the City of San Antonio’s 2015 Unified Development Code (UDC) and is an effective tool by which to generate improvements to the health of the creeks and rivers.

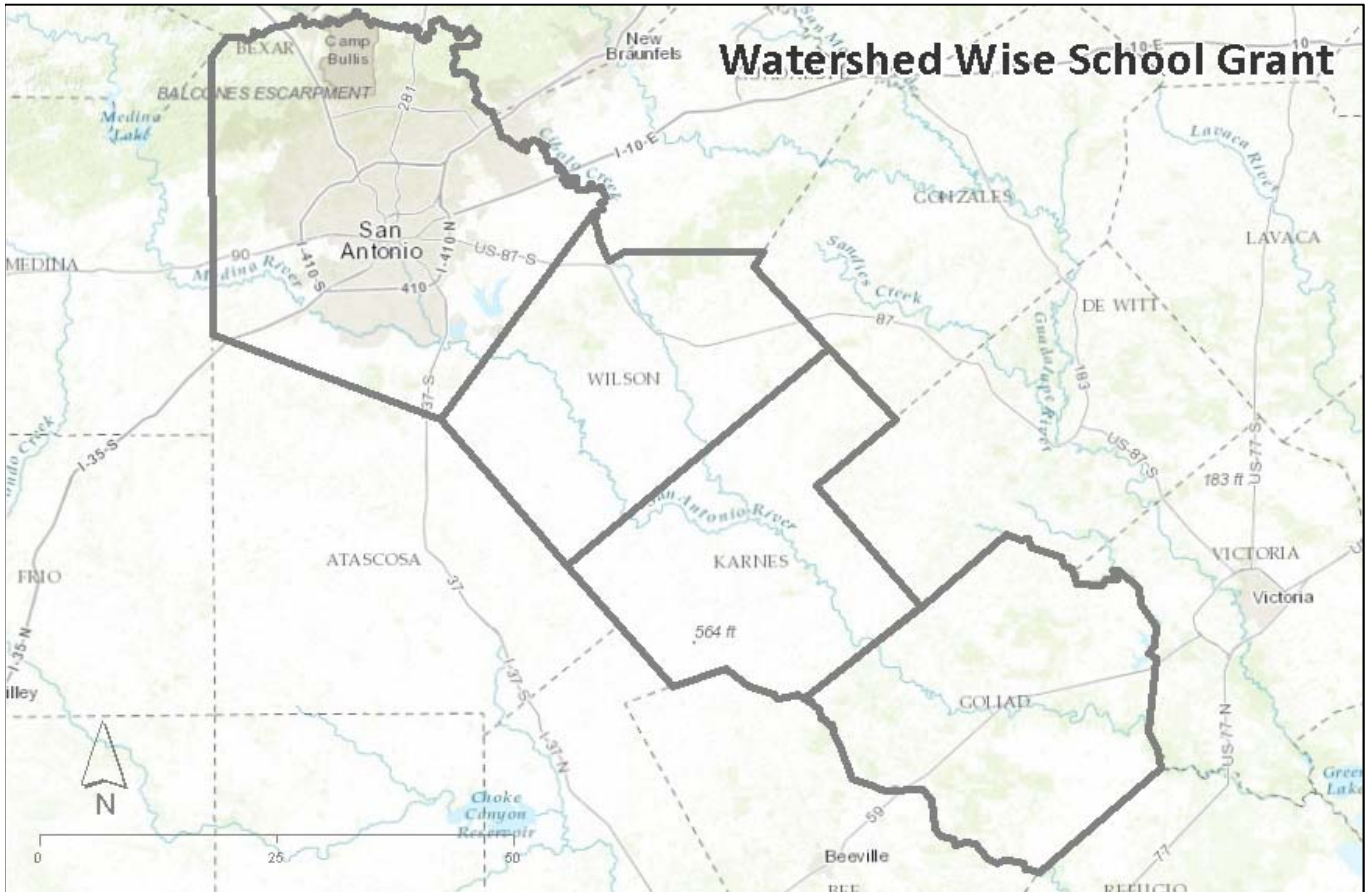
Low impact development (LID) is a new concept for many developers and design professionals. To provide an incentive for developers and designers to learn about and to incorporate LID into their design plans, the River Authority developed a rebate program. Through this program, the River Authority will assist in covering LID costs where those costs reflect an increase over traditional design requirements.

For FY 2019/20, the River Authority will continue to promote the rebate program, accept, evaluate and award rebates where LID is incorporated in the design plans. Also, the Watershed Wise School Grant Program is included under this rebate program. Schools (K through 12) in the four counties served by the River Authority can apply for funding in this program to design and build a rain garden or select other green infrastructure best management practices for on-site stormwater management. The schools are responsible for operation and maintenance of the installed green infrastructure.

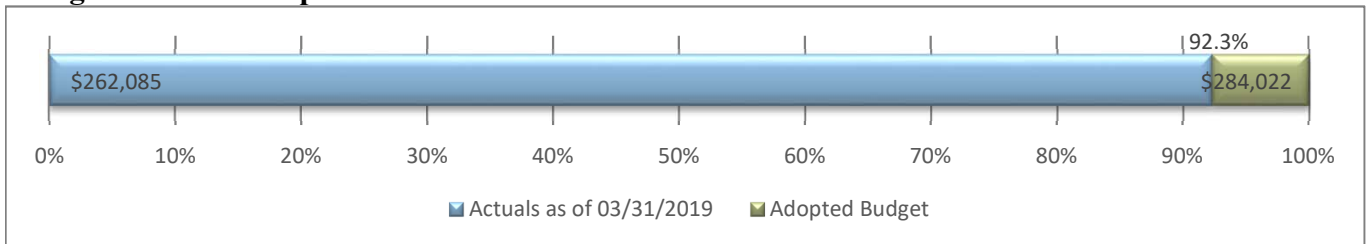
New funding for FY 2019/20 is \$400,000.

**Spending Plan of Total Project Budget**

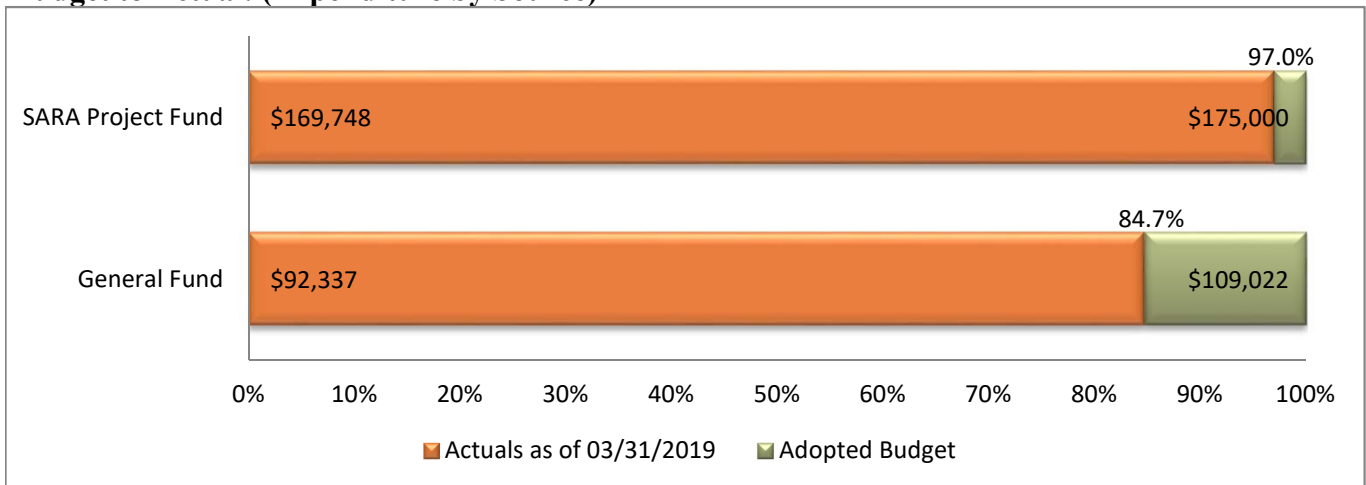
	Actuals as of	<u>April 1, 2019</u> to		Succeeding from	
<b>Expenditures</b>	<u>March 31, 2019</u>	<u>June 2020</u>	<u>2020/21</u>	<u>2021</u>	<u>Total</u>
Personnel	\$ 77,332	\$ 35,355	\$ -	\$ -	\$ 112,687
Construction	711,712	1,508,288	-	-	2,220,000
Total	<u>\$ 789,044</u>	<u>\$ 1,543,643</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 2,332,687</u>



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**



<b>Project Name:</b>	<b>Watershed Wise School Grant</b>	<b>Project #</b>	<b>0474</b>
Managing Department:	Environmental Sciences		
		Adopted Budget:	\$ 175,000
		SARA Contribution:	\$ 109,022
Project Start Date:	10/31/2014	Unfunded Plan:	\$ -
Project Finish Date:	6/30/2019	Total Project:	\$ 284,022

This Watershed Wise School Grant project provides an educational demonstration of watershed solutions with an emphasis on managing stormwater quality to enhance local creeks and rivers.

Up to \$22,000 has been provided to each recipient school, all within the four counties served by the River Authority, to design and build a rain garden or other eligible green infrastructure best management practices for on-site stormwater management. These school grants have been consolidated with the Watershed Wise Rebate Program.

For FY 2018/19, previously awarded school grants will close out upon project completion and future school applicants will apply for funding under the Watershed Wise Rebate Program. No operations and maintenance expenditures are anticipated from this project. The winning schools are responsible for operation and maintenance of the installed green infrastructure.

#### Spending Plan of Total Project Budget

<b>Expenditures</b>	Actuals as of <u>March 31, 2019</u>	<u>April 1, 2019</u> to <u>June 2020</u>	<u>2020/21</u>	Succeeding from <u>2021</u>	<u>Total</u>
Personnel	\$ 44,419	\$ 16,685	\$ -	\$ -	\$ 61,104
Construction	217,666	5,252	-	-	222,918
Total	<u>\$ 262,085</u>	<u>\$ 21,937</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 284,022</u>



SAN ANTONIO  

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RIVER AUTHORITY

# **Projects Goal #3**



**Photo by Eric Dziuk  
2019 River Clicks Photo Contest  
Judge's Best Category Winner - Karnes County**



**Enhance Community Appreciation and Recreation** – Enhance community appreciation by supporting engagement with our creeks and rivers to ensure that these resources contribute to the quality of life of all residents.

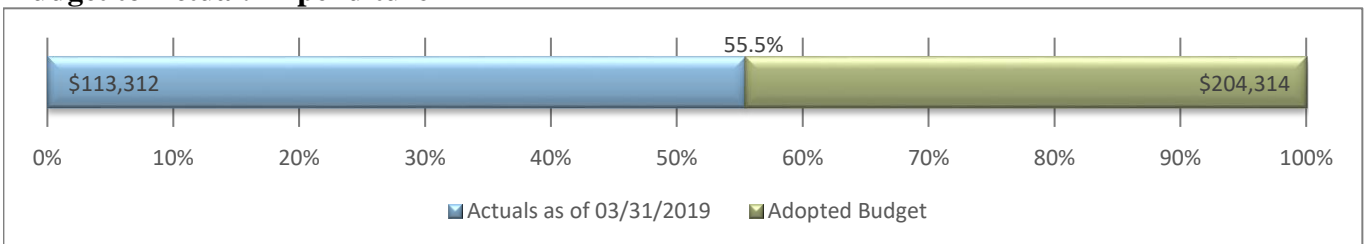
- ◆ Increase positive public awareness of and engagement with SARA.
- ◆ Grow the use of SARA parks and trails.
- ◆ Engage with community partners to expand recreational opportunities

- ◆ Brooks City Base - Mission Reach Linkage Project
- ◆ Escondido Creek Parkway
- ◆ Espada Park
- ◆ John William Helton San Antonio River Nature Park
- ◆ Kenedy Operations Center
- ◆ Nature Park Signage Development
- ◆ River Walk Public Art
- ◆ San Pedro Creek Culture Park
- ◆ Watershed Wise River Discovery
- ◆ WSC Linear Creek Trails and Elmendorf Lake Park

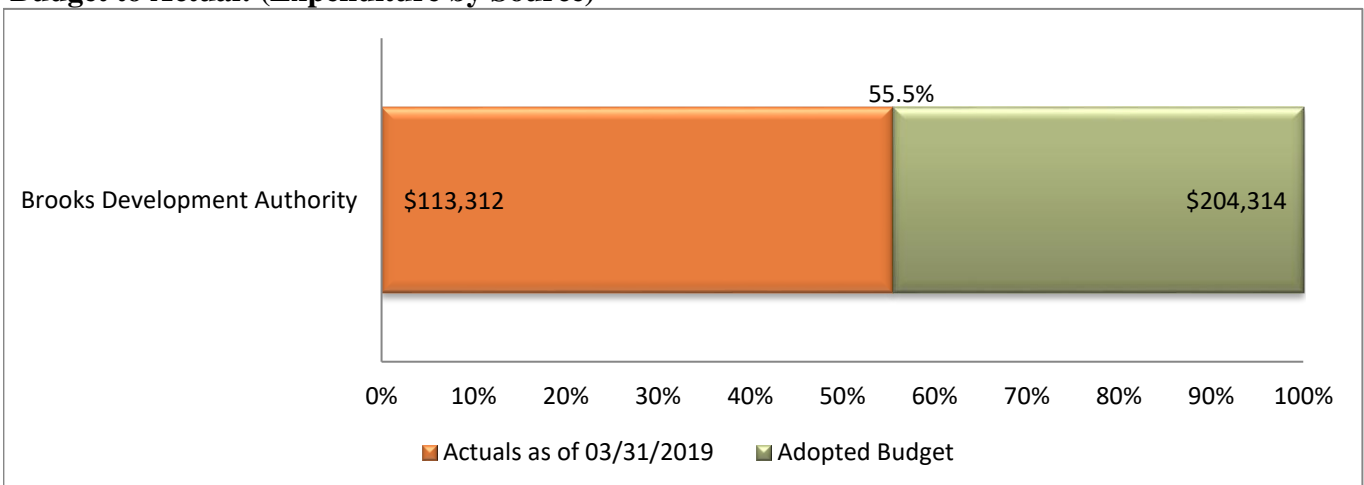




**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**



<b>Project Name:</b>	<b>Brooks City Base - Mission Reach Linkage</b>	<b>Project #</b>	<b>0525</b>
Managing Department:	Watershed Engineering		
		Adopted Budget:	\$ 204,314
		SARA Contribution:	\$ -
Project Start Date:	1/21/2016	Unfunded Plan:	\$ -
Project Finish Date:	6/30/2020	Total Project:	\$ 204,314

The Brooks City Base – Mission Reach Linkage project supports increased attendance, improved visitor experience and access to the San Antonio River Mission Reach.

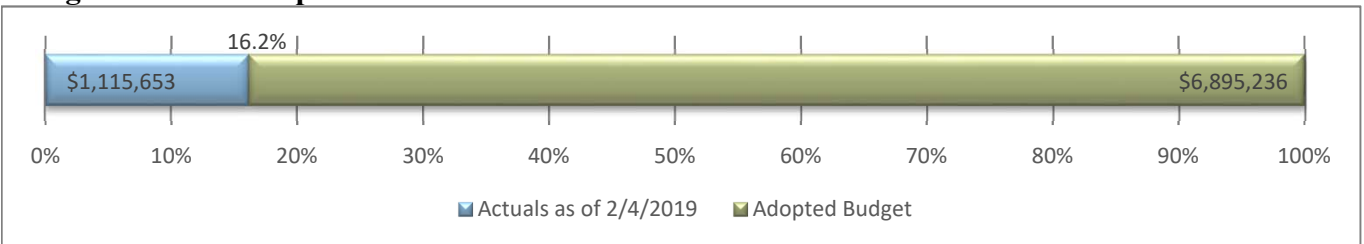
The project is a trail connection between the San Antonio River Mission Reach and Brooks City Base. The approximate .20 mile long, 10-foot wide, hike and bike trail will begin at Corpus Christi Road. The connection at Corpus Christi Road will include pavement markings and signage at street level to signify the crossing. The trail will continue west crossing an acequia located north of a tributary to the San Antonio River. The trail will pass through the existing box culvert at South Presa Street and follow along the north side of the tributary to the San Antonio River. The trail will then continue through the existing Union Pacific Railroad right-of-way and tie into the existing Mission Reach Trail.

The River Authority is presently working with a consultant to make design enhancements to satisfy Union Pacific Railroad requirements for a bridge canopy, concrete rip rap, and a concrete apron at the bridge location. After Union Pacific grants approval, Brooks Development Authority granted the River Authority authorization to repackage the trail project for bidding and construction in FY 2019/20.

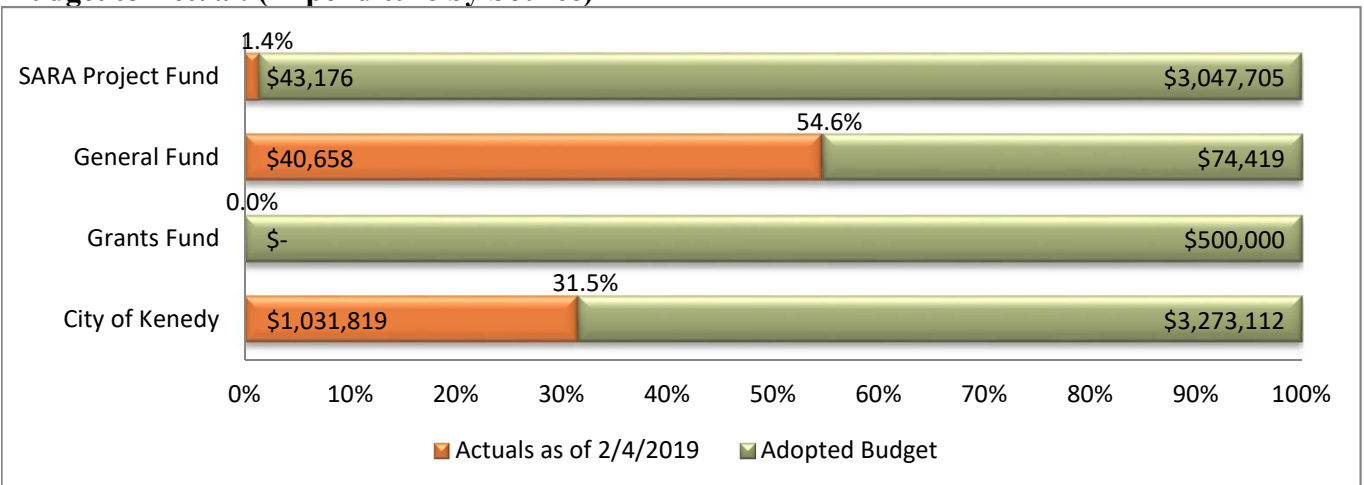
<b>Spending Plan of Total Project Budget</b>					
	Actuals	<u>April 1, 2019</u>		Succeeding	
	as of	to		from	
<b>Expenditures</b>	<u>March 31, 2019</u>	<u>June 2020</u>	<u>2020/21</u>	<u>2021</u>	<u>Total</u>
Labor	\$ -	\$ -	\$ -	\$ -	\$ -
Right-of-Way Acquisition	548	-	-	-	548
Design	112,764	19,849	-	-	132,613
Pre-Construction	-	-	-	-	-
Construction	-	71,153	-	-	71,153
<b>Total</b>	<u>\$ 113,312</u>	<u>\$ 91,002</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 204,314</u>



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**



<b>Project Name:</b>	<b>Escondido Creek Parkway</b>	<b>Project #</b>	<b>0397</b>
Managing Department:	Watershed and Park Operations		
		Adopted Budget:	\$ 6,820,817
		SARA Contribution:	\$ 74,419
Project Start Date:	7/1/2012	Unfunded Plan:	\$ -
Project Finish Date:	10/31/2020	Total Project:	\$ 6,895,236

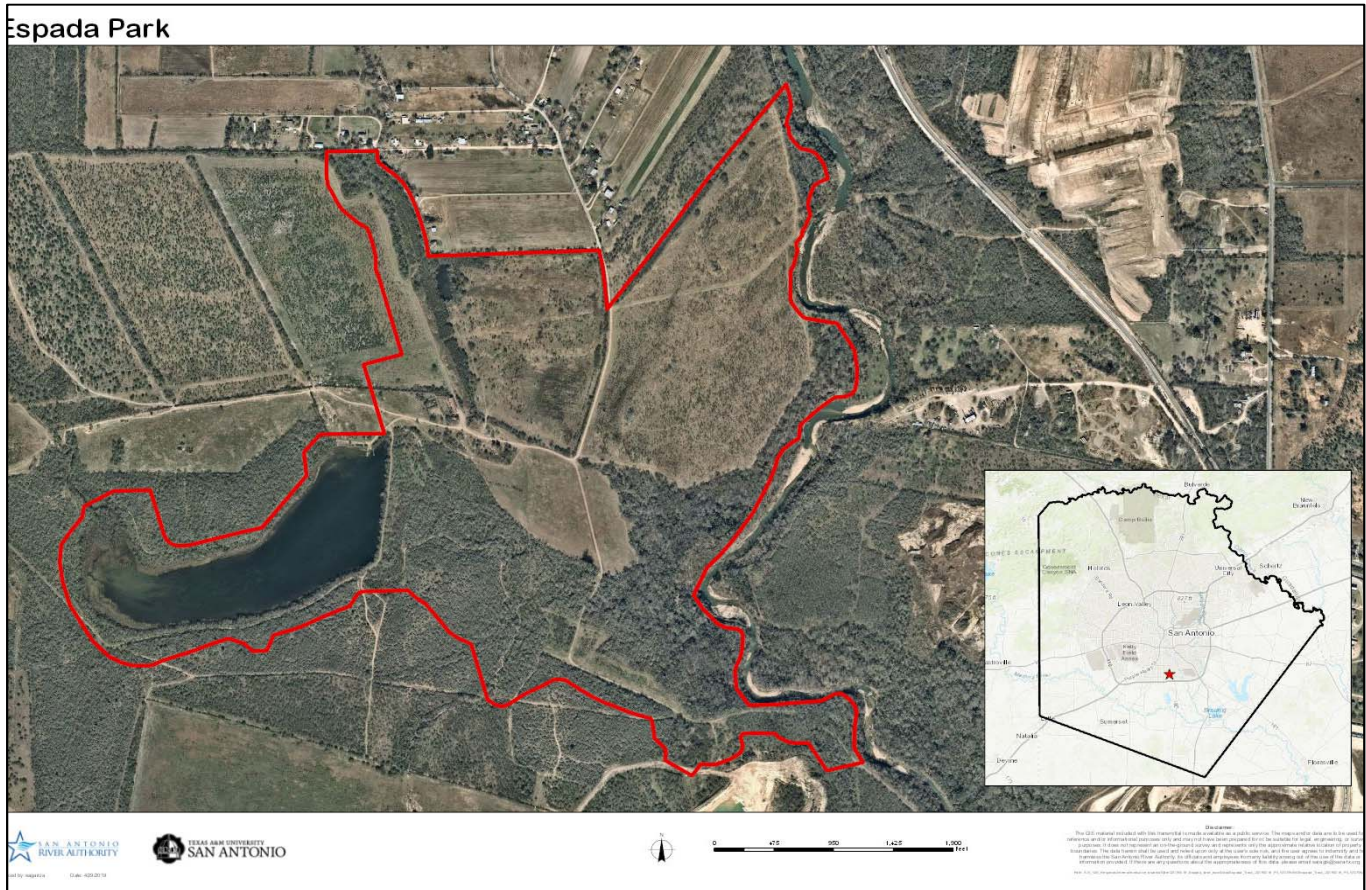
Escondido Creek Parkway meanders between the City of Kenedy's Joe Gulley Park on the west and downtown Kenedy on the east. This 1.25 mile stretch is currently maintained by the San Antonio River Authority for drainage and flood control. The park will include a hike and bike trail, parking, an amphitheater, a pavilion and restroom, a playground, trail amenities, a splash pad and possibly a skate park.

The River Authority is working with the local community to develop the Escondido Creek Parkway. The initial development will extend between Joe Gulley Park to North 5th Street/Business 181, with potential future phases extending east to the old Southern Pacific Railroad right-of-way, and south to a downtown trailhead.

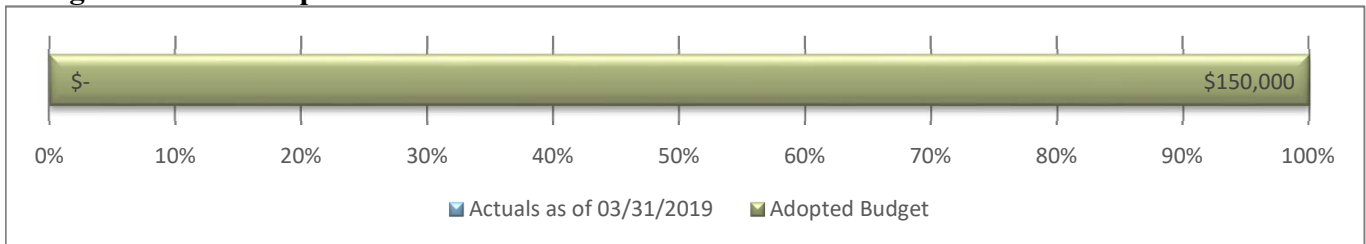
In FY 2018/19, the project broke ground and a contractor was selected. The majority of construction will begin in FY 2019/20. The construction of Phase I is expected to last fifteen months and should be completed in the Fall of 2020. Phase I will include park amenities, a ten foot wide hike and bike trail, a pavilion with a restroom, a splash pad, a playground and amphitheater. The project is currently funded by the San Antonio River Authority Project Fund, the Grants Fund, and the Downstream Capital Improvements Project Fund, which represents funding from various contributors in Karnes County including the City of Kenedy 4B Corporation and the City of Kenedy Chamber of Commerce. Operation and maintenance expenditures are estimated between \$275,000 and \$300,000.

**Spending Plan of Total Project Budget**

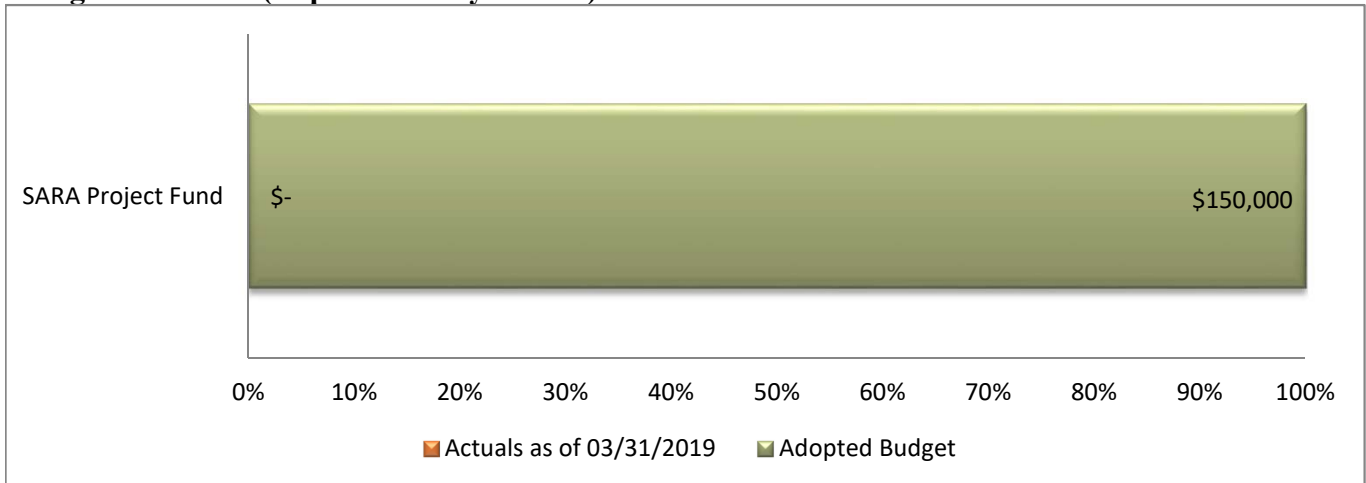
<b>Expenditures</b>	Actuals	<u>April 1, 2019</u>		Succeeding	<u>Total</u>
	as of	to		from	
	<u>March 31, 2019</u>	<u>June 2020</u>	<u>2020/21</u>	<u>2021</u>	
Personnel	\$ 40,658	\$ 33,761	\$ -	\$ -	\$ 74,419
Right-of-Way Acquisition	223,968	-	-	-	223,968
Design	681,700	101,172	-	-	782,872
Construction	118,151	4,635,826	1,000,000	-	5,753,977
Public Outreach	43,176	16,824	-	-	60,000
<b>Total</b>	<u>\$ 1,107,653</u>	<u>\$ 4,787,583</u>	<u>\$ 1,000,000</u>	<u>\$ -</u>	<u>\$ 6,895,236</u>



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**



<b>Project Name:</b>	<b>Espada Park</b>	<b>Project #</b>	<b>0622</b>
Managing Department:	Watershed and Park Operations		
		Adopted Budget:	\$ 150,000
		SARA Contribution:	\$ -
Project Start Date:	1/1/2019	Unfunded Plan:	\$ -
Project Finish Date:	6/30/2021	Total Project:	\$ 150,000

The River Authority, in partnership with Texas A&M San Antonio and TJ Maxx, are planning to connect the lower end of the Mission Reach to the City of San Antonio Parks System. The future Espada Park will offer opportunities for park visitors to recreate and increase their awareness and knowledge of the San Antonio River.

The location and resources of the Espada Park property offer exciting opportunities to extend recreational and environmental experiences along a historic segment of the San Antonio River. The River Authority envisions an integrated plan with Texas A&M San Antonio to create a destination for learning, experiencing, engaging, enjoying and appreciating the site through a phased development approach.

In FY 2019/20, master planning efforts will begin. Future amenities may include paddling trail and hiking infrastructure, roadways, and other recreational enhancements. Operations and maintenance costs associated with this project are unknown at this time.

New funding for FY 2019/20 is \$150,000.

<b>Spending Plan of Total Project Budget</b>					
	Actuals	<u>April 1, 2019</u>		Succeeding	
	as of	to		from	
<b>Expenditures</b>	<u>March 31, 2019</u>	<u>June 2020</u>	<u>2020/21</u>	<u>2021</u>	<u>Total</u>
Design	\$ -	\$ 150,000	\$ -	\$ -	\$ 150,000
Total	\$ -	\$ 150,000	\$ -	\$ -	\$ 150,000

Project Name:

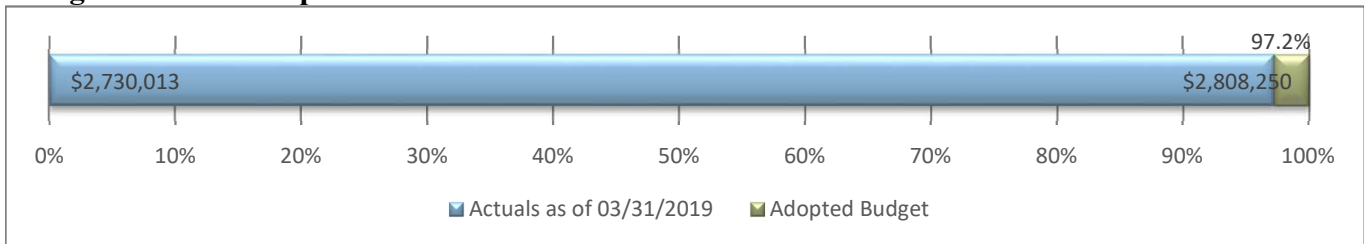
John William Helton  
San Antonio River Nature Park

Project #

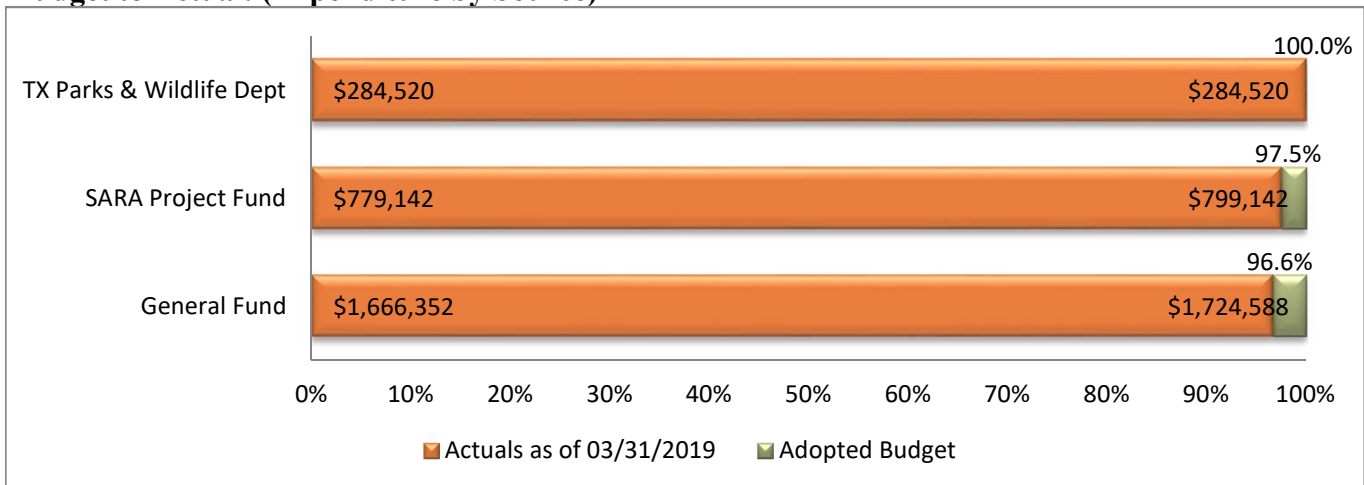
0067



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**



**Project Name:** **John William Helton** **Project #** **0067**  
**San Antonio River Nature Park**

Managing Department: Watershed and Park Operations

	Adopted Budget:	\$ 1,083,662
	SARA Contribution:	\$ 1,724,588
Project Start Date: 7/1/2007	Unfunded Plan:	\$ -
Project Finish Date: 6/30/2019	Total Project:	\$ 2,808,250

Continued improvements at John William Helton Nature Park (Helton) furthers opportunities for visitors to enjoy, appreciate and understand the San Antonio River.

Over the past several years, the River Authority has improved the 98 acres of John William Helton Nature Park by adding a multi-use pavilion, picnic units, signage, basketball court, paddling trail access, restrooms, a playground, and park trails. Additionally, River Authority staff have hosted numerous community programs and events. Funding included in this project allows for continued development of the park to increase usage.

In FY 2017/18, the River Authority improved the park entrance on FM 775 to meet Texas Department of Transportation requirements and increase the safety of patrons to enter and leave the park. Additionally, a camping flood alert system was installed. In FY 2018/19, the River Authority will improve the river access road inside the park and install lighting at the pavillion, playground, parking area and basketball court. Operations and maintenance costs for the funded improvements are included in the FY 2019/20 adopted budget.

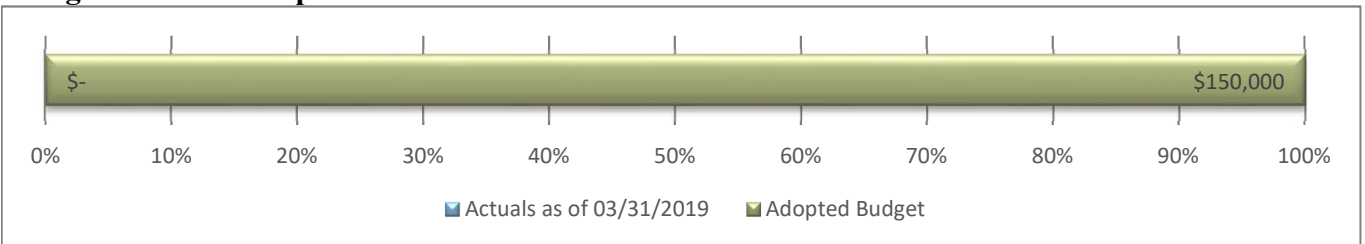
**Spending Plan of Total Project Budget**

<b>Expenditures</b>	Actuals	<u>April 1, 2019</u>		Succeeding	<u>Total</u>
	as of	to	<u>2020/21</u>	from	
	<u>March 31, 2019</u>	<u>June 2020</u>		<u>2021</u>	
Personnel	\$ 226,519	\$ 58,235	\$ -	\$ -	\$ 284,754
Right-of-Way Acquisitio	243,483.00	-	-	-	243,483.00
Design	291,609.00	-	-	-	291,609.00
Capital Outlay	1,901,136.00	20,000.00	-	-	1,921,136.00
Other	67,268.00	-	-	-	67,268.00
<b>Total</b>	<b>\$ 2,730,015</b>	<b>\$ 78,235</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 2,808,250</b>

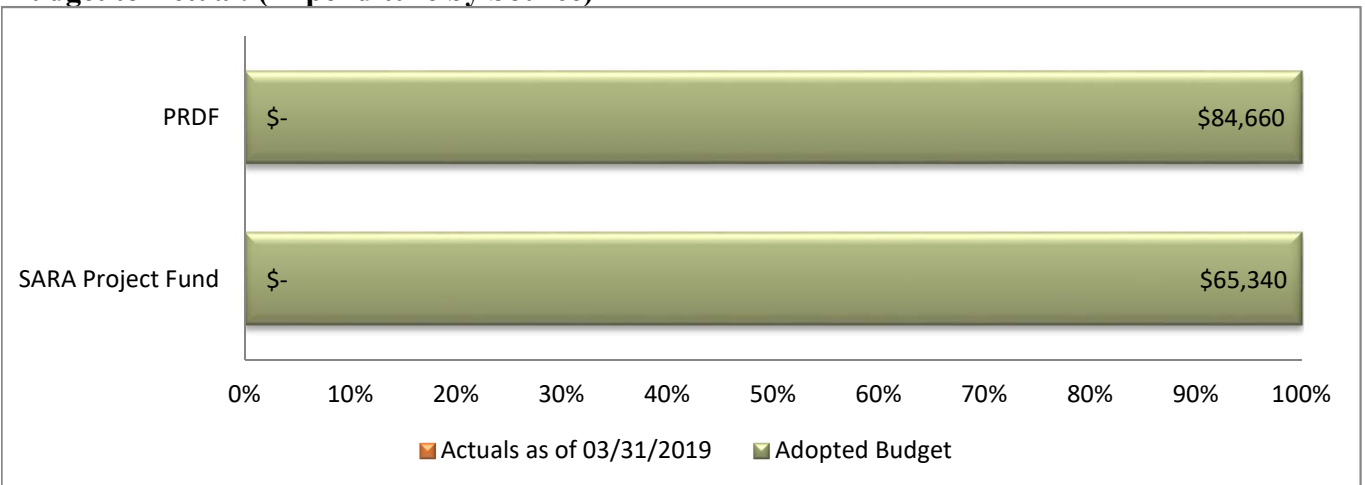




**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**



<b>Project Name:</b>	<b>Kenedy Operations Center</b>	<b>Project #</b>	<b>0623</b>
Managing Department:	Watershed and Park Operations		
		Adopted Budget:	\$ 150,000
		SARA Contribution:	\$ -
Project Start Date:	9/2/2019	Unfunded Plan:	\$ -
Project Finish Date:	3/27/2020	Total Project:	\$ 150,000

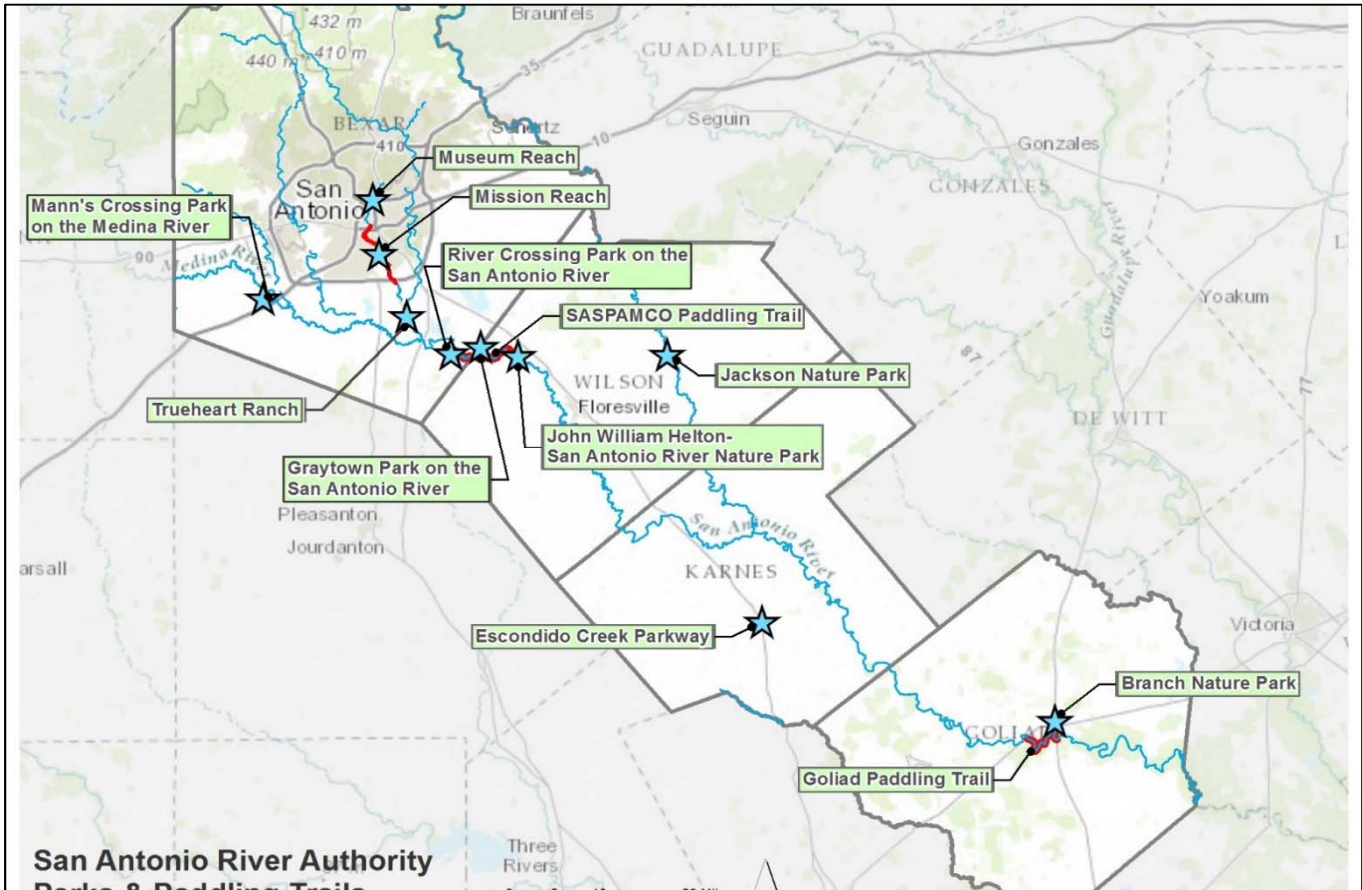
The Escondido Creek Parkway Project is scheduled to be completed in June 2020. At that time, the River Authority will begin operations and maintenance of the park.

This project will expand the Kenedy shop and upgrade the office building to house new staff needed for Escondido Creek Parkway. The shop and office building both need to be extended to accommodate additional staff, equipment, and materials.

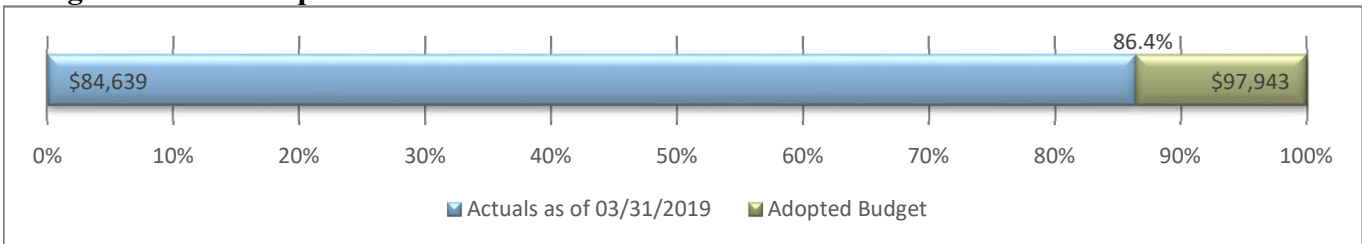
In FY 2019/20, the River Authority will work with contractors to expand and upgrade the Kenedy shop and office building. It is anticipated the new staff will be hired by the completion of Phase I of Escondido Creek Parkway. Operations and maintenance expenditures are included in the FY 2019/20 Adopted Budget.

New funding for FY 2019/20 is \$65,340.

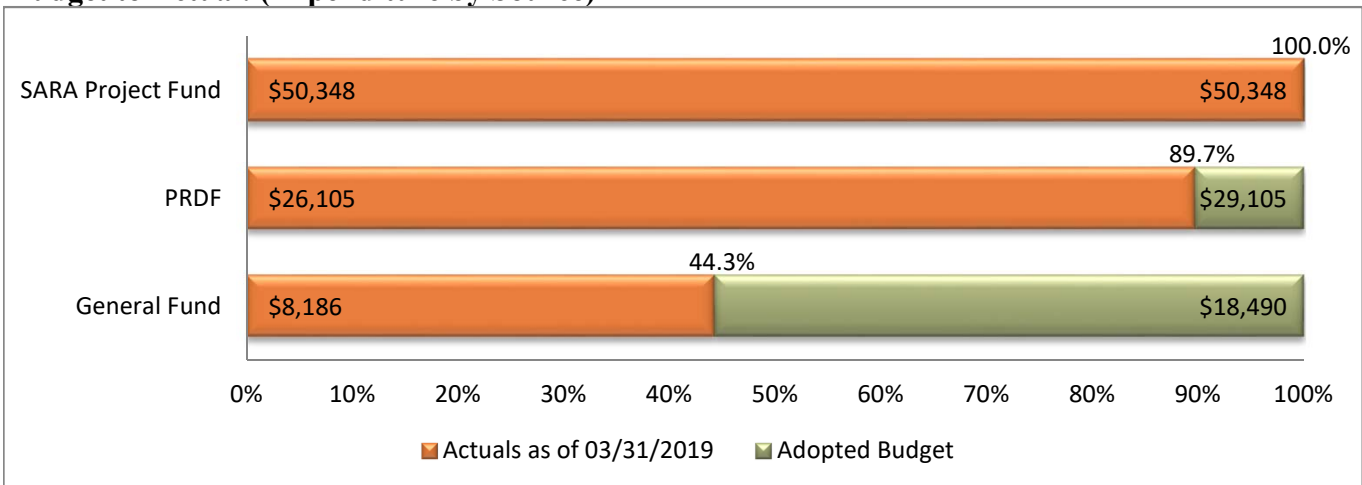
<b>Spending Plan of Total Project Budget</b>					
	Actuals	<u>April 1, 2019</u>		Succeeding	
	as of	to		from	
<b>Expenditures</b>	<u>March 31, 2019</u>	<u>June 2020</u>	<u>2020/21</u>	<u>2021</u>	<u>Total</u>
Construction	\$ -	\$ 150,000	\$ -	\$ -	\$ 150,000
Total	\$ -	\$ 150,000	\$ -	\$ -	\$ 150,000



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**



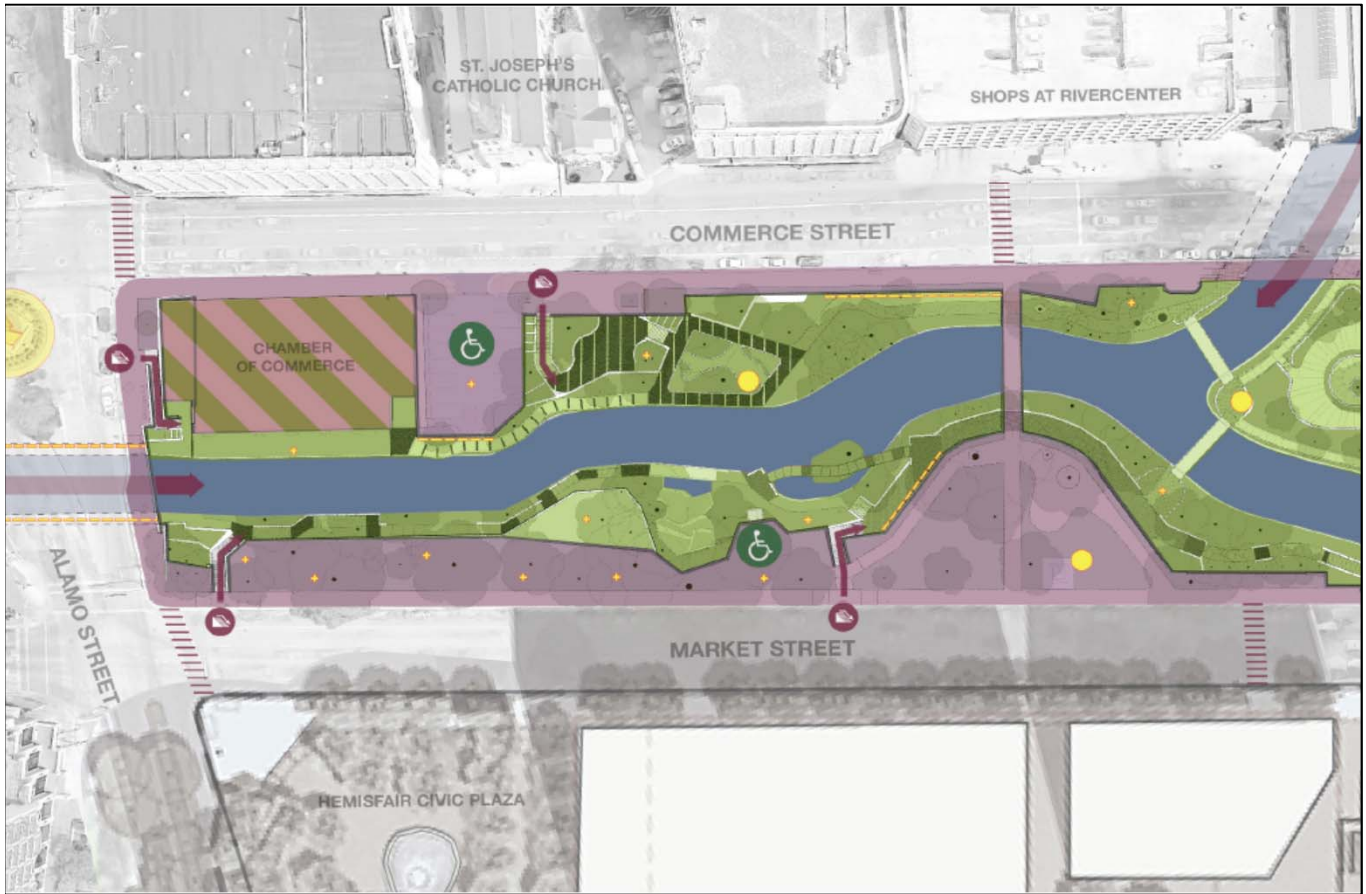
<b>Project Name:</b>	<b>Nature Park Signage Development</b>	<b>Project #</b>	<b>0501</b>
Managing Department:	Watershed and Park Operations		
		Adopted Budget:	\$ 79,453
		SARA Contribution:	\$ 18,490
Project Start Date:	7/1/2015	Unfunded Plan:	\$ -
Project Finish Date:	6/30/2019	Total Project:	\$ 97,943

The Nature Park Signage Development project designs, constructs, and installs holistic signage packages that are consistent among all operating River Authority nature parks and provides templates for future park developments. The project's goal is to enhance visitor enjoyment, understanding and knowledge of the park as well as identifying other park opportunities/locations that the River Authority has to offer.

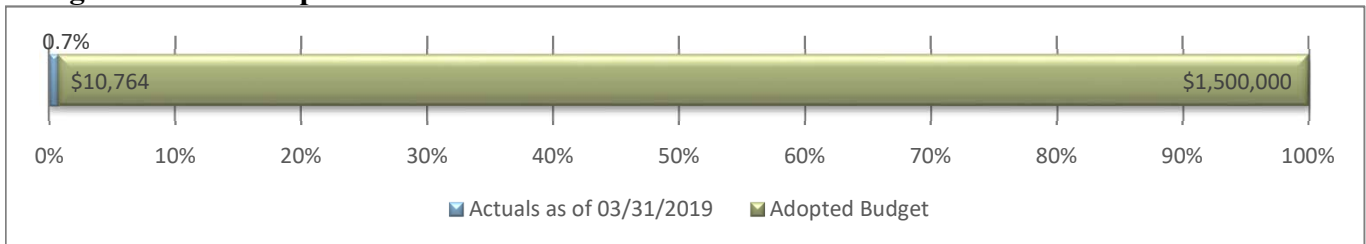
Types of signage includes wayfinding to the park, gateway signs, maps (both to the park and within each park, print and online), directional signage for attractions, interpretive signage, and coordination with appropriate entities for applicable state and federal signage for national and state designations (i.e. El Camino Real National Historic Trail, Texas Inland Paddling Trail).

In FY 2017/18, signs were installed at John William Helton San Antonio River Nature Park, Graytown Park on the San Antonio River, Jackson Nature Park, Branch River Park, and the Highway 97 San Antonio River access point. In FY 2018/19, the River Authority purchased and installed the remaining river signage. Operations and maintenance costs associated with this signage are included in the FY 2019/20 adopted budget.

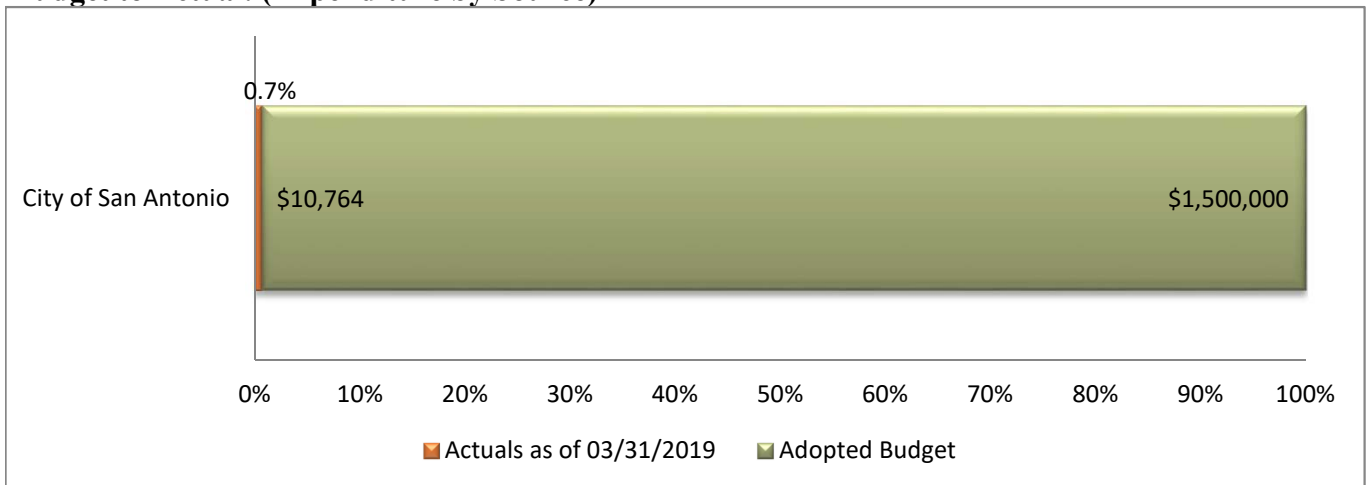
<b>Spending Plan of Total Project Budget</b>					
	Actuals	<u>April 1, 2019</u>		Succeeding	
	as of	to		from	
<b>Expenditures</b>	<u>March 31, 2019</u>	<u>June 2020</u>	<u>2020/21</u>	<u>2021</u>	<u>Total</u>
Personnel	\$ 8,186	\$ 10,304	\$ -	\$ -	\$ 18,490
Equipment	76,453	3,000	-	-	79,453
Total	<u>\$ 84,639</u>	<u>\$ 13,304</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 97,943</u>



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**



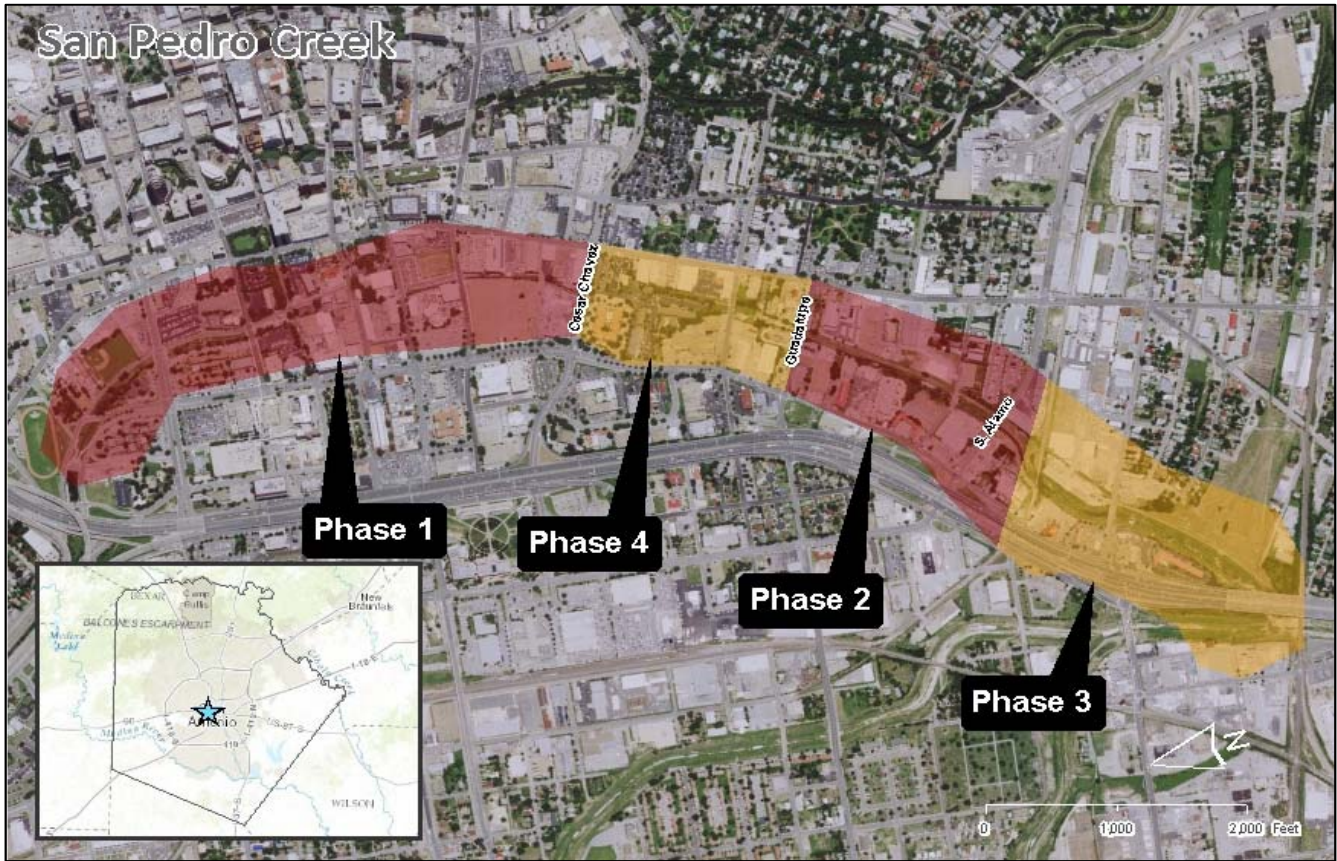
<b>Project Name:</b>	<b>River Walk Public Art</b>	<b>Project #</b>	<b>0599</b>
Managing Department:	Watershed Engineering		
		Adopted Budget:	\$ 1,500,000
		SARA Contribution:	\$ -
Project Start Date:	5/18/2018	Unfunded Plan:	\$ -
Project Finish Date:	6/30/2021	Total Project:	\$ 1,500,000

The River Walk Sculpture Garden Project will enhance community appreciation this area by adding public art. This project will also enhance the River Authority's partnership with the City of San Antonio (City).

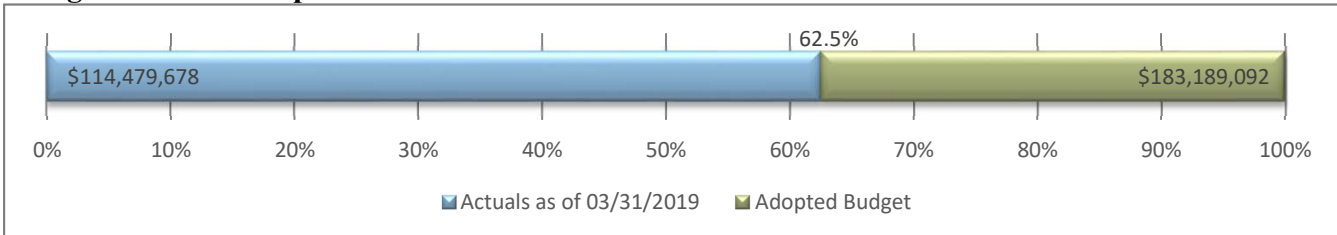
The River Authority will provide the design and construction management of Public Art Projects on behalf of the City of San Antonio Department of Arts & Culture. The projects will consist of permanent and rotating art installations on City property. River Authority staff will coordinate the design with the City, provide consultation on constructability, and provide construction phase services to include contracting with construction contractor(s).

In FY 2019/20, the first phase is anticipated to be complete. Phase one has been separated into two parts. The first part consists of civil and landscape elements to showcase five art pieces on the street level at Market St. and should be complete by October 2019. The second part will consist of design and installation of three art pieces near the River Center Mall, with the first piece ready for dedication by summer of 2020.

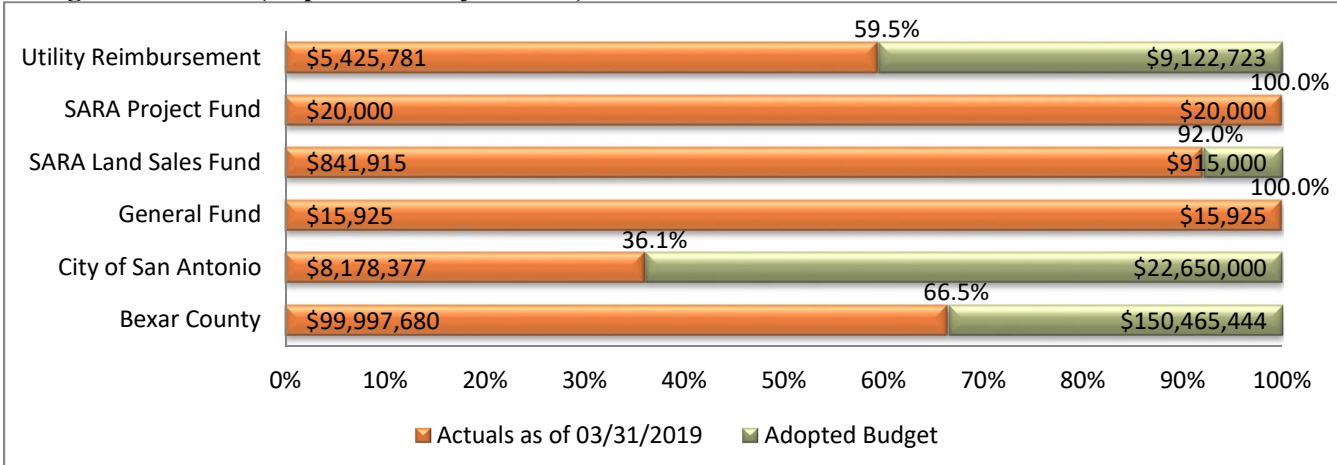
<b>Spending Plan of Total Project Budget</b>					
	Actuals	<u>April 1, 2019</u>		Succeeding	
	as of	to		from	
<b>Expenditures</b>	<u>March 31, 2019</u>	<u>June 2020</u>	<u>2020/21</u>	<u>2021</u>	<u>Total</u>
Construction	\$ -	\$ 1,415,095	\$ -	\$ -	\$ 1,415,095
Project Management	10,764	74,141	-	-	84,905
Total	<u>\$ 10,764</u>	<u>\$ 1,489,236</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 1,500,000</u>



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**



**Project Name:** San Pedro Creek Culture Park **Project #** 0378  
**Managing Department:** Watershed Engineering

		Adopted Budget:	\$183,189,092
		SARA Contribution:	\$ -
Project Start Date:	8/1/2012	Unfunded Plan:	\$ -
Project Finish Date:	5/31/2025	Total Project:	\$183,189,092

Bexar County and the River Authority, in coordination with the City of San Antonio, are transforming San Pedro Creek into a resource that reflects the community’s cultural history, improves its function in flood control, revitalizes natural habitat and water quality, and promotes economic development. These activities are in support of enhancing community appreciation and recreational use of our creeks.

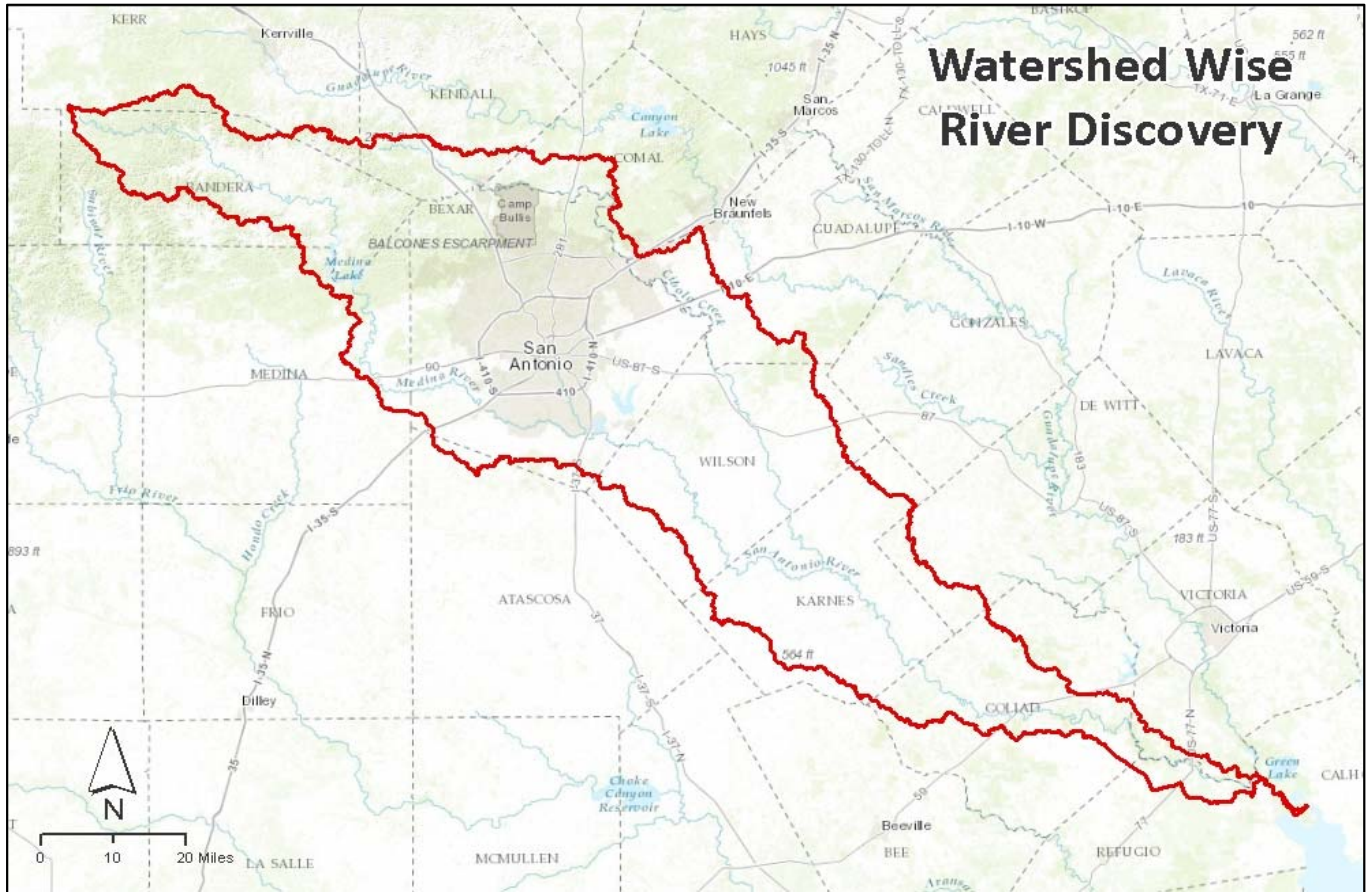
The San Pedro Creek Improvements project begins at the tunnel inlet near Fox Tech High School and winds its way through the western side of downtown to the creek’s confluence with the Alazan and Apache Creeks. Once fully constructed, the project will include approximately four miles of trails and eleven acres of landscaped area, and will remove approximately 30 acres and 38 adjacent structures from the 100-year flood plain.

In FY 2019/20, design in Phases 1.3 and 2 will be completed with the possibility of construction beginning in the spring of 2020. Phase 1.2 from Houston Street to Nueva Street is currently in construction and is anticipated to be completed in April 2021. Operations and maintenance costs for Phase 1.1 are included in the FY 2019/20 Adopted Budget.

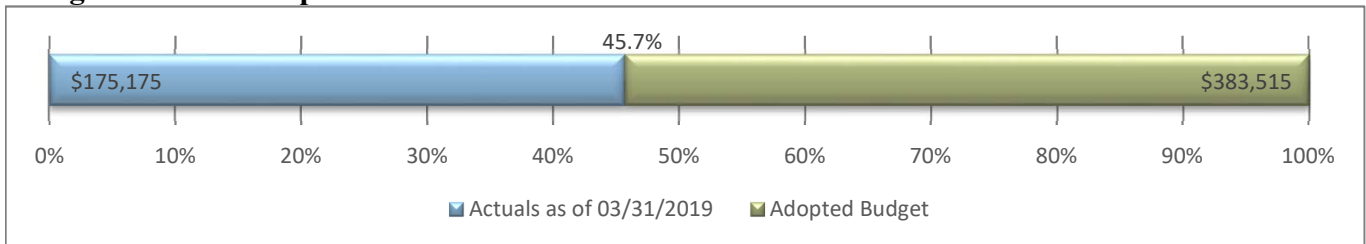
**Spending Plan of Total Project Budget**

	Actuals as of	<u>April 1, 2019</u> to		Succeeding from	
<b>Expenditures</b>	<u>March 31, 2019</u>	<u>June 2020</u>	<u>2020/21</u>	<u>2021</u>	<u>Total</u>
Right-of-Way Acquisition	\$ 5,853,124	\$ 295,493	\$ -	\$ -	\$ 6,148,617
Pre-Design	685,925	30,000	-	-	715,925
Design	22,290,337	579,947	-	-	22,870,284
Construction	79,362,596	64,033,947	-	-	143,396,543
Utility Relocations	5,425,781	3,696,942	-	-	9,122,723
Public Outreach	861,915	73,085	-	-	935,000
<b>Total</b>	<u>\$114,479,678</u>	<u>\$ 68,709,414</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$183,189,092</u>

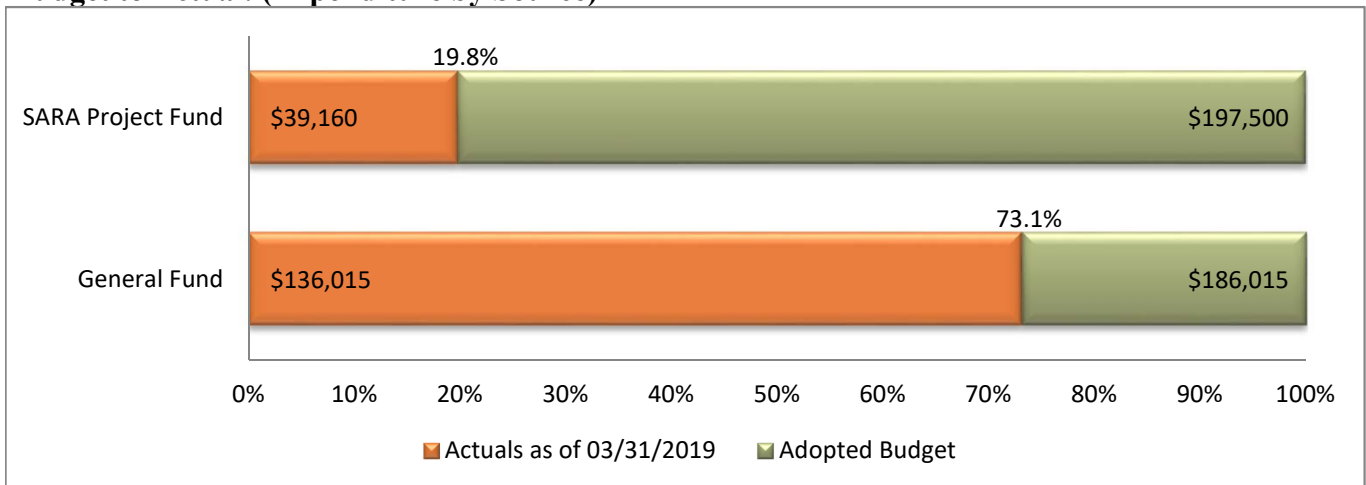




**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**



<b>Project Name:</b>	<b>Watershed Wise River Discovery</b>	<b>Project #</b>	<b>0553</b>
Managing Department:	Intergovernmental and Community Relations		
	Adopted Budget:	\$	197,500
	SARA Contribution:	\$	186,015
Project Start Date:	6/27/2016	Unfunded Plan:	\$ -
Project Finish Date:	6/30/2019	Total Project:	\$ 383,515

The Watershed Wise River Discovery is a multi-faceted outreach and educational project that collects data and information from multiple sources, and presents it through the [www.sara-tx.org](http://www.sara-tx.org) website to reach a wide audience to enhance community appreciation and recreation for the watershed.

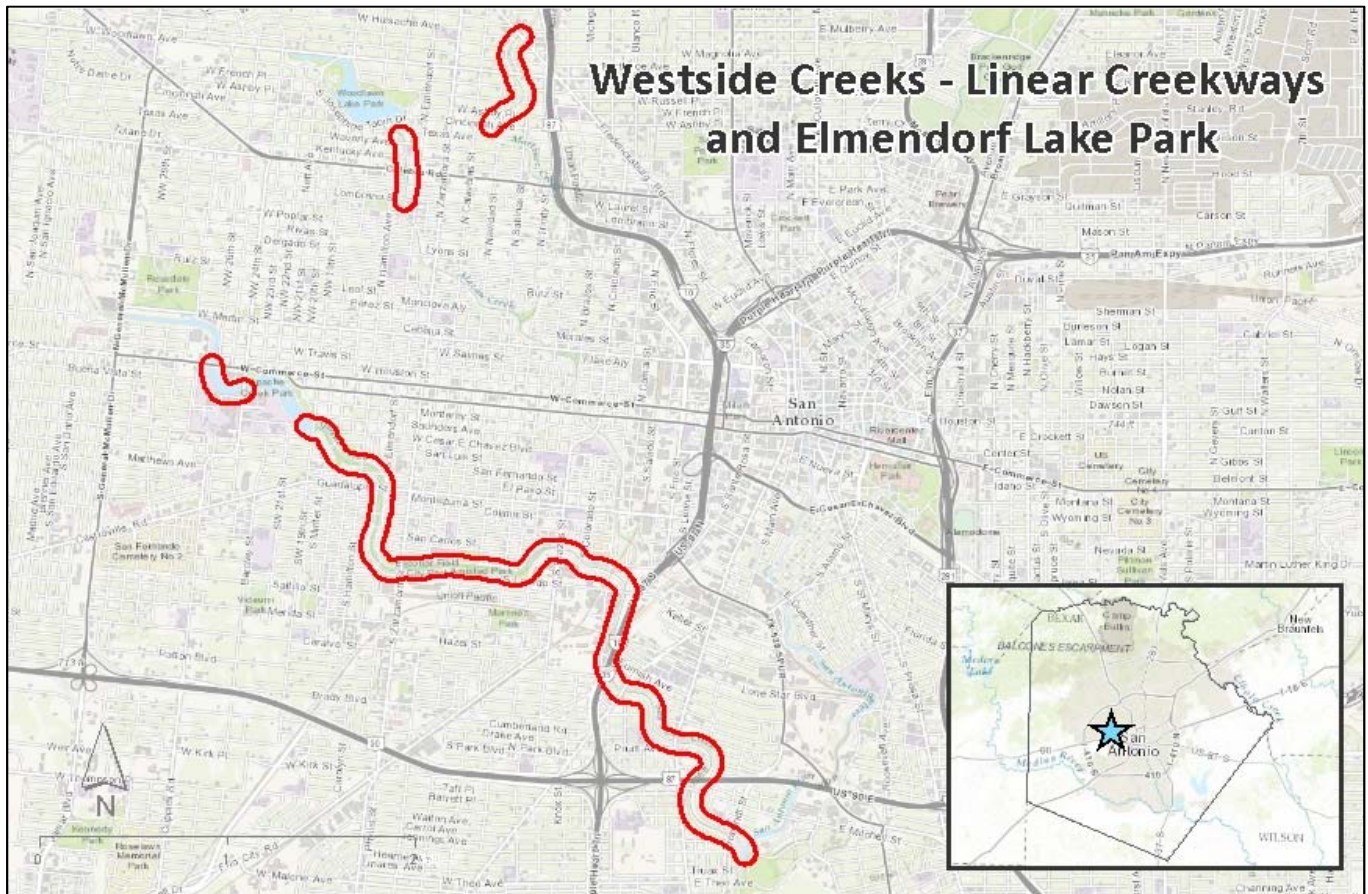
The major public outreach and educational outcomes of the project will include improvements to the River Authority's website that involves: the most citizen-relevant information, a combination of GIS information and recreation, digital media and interactive components, design and integration that encourage exploration and discovery, demonstration of the River Authority's watershed expertise, and increasing public awareness of and engagement with the River Authority.

This project, which was initiated in Fiscal Year 2016/17, will provide various informative and interactive modules to include water quality, aquatic and riparian ecosystems, recreation, bays and estuaries, and historical information including the acequias, geology, and economic uses.

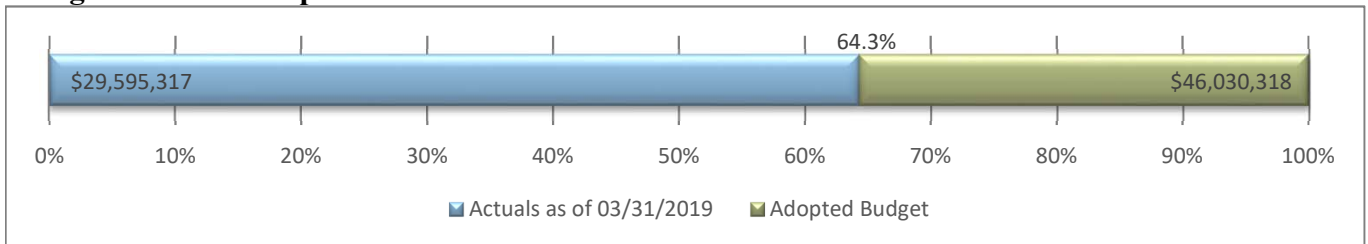
In FY 2017/18, the project continues to gather the information and digital media (videos, graphics, data, dynamic maps) necessary to complete and make available to the public two of the topic modules, Water Quality and Recreation, as well as compile the copy and digital media towards fifty percent completion of the remaining modules. This phase of the project will be finalized and made available to the public towards the end of FY 2018/19.

**Spending Plan of Total Project Budget**

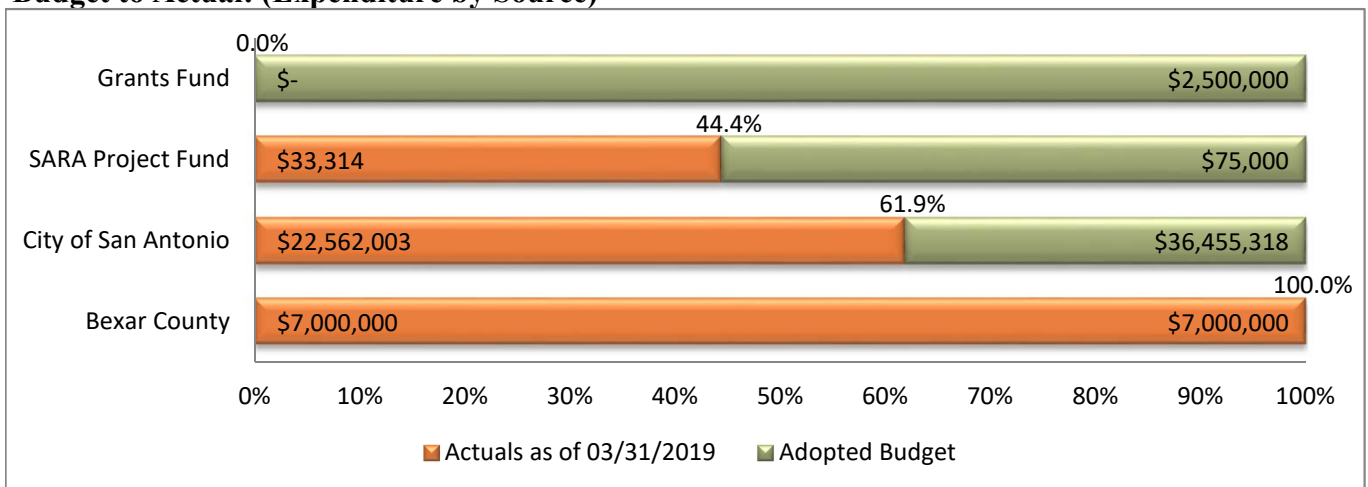
<b>Expenditures</b>	Actuals	<u>April 1, 2019</u>		Succeeding	<u>Total</u>
	as of	to		from	
	<u>March 31, 2019</u>	<u>June 2020</u>	<u>2020/21</u>	<u>2021</u>	
Personnel	\$ 135,953	\$ 50,062	\$ -	\$ -	\$ 186,015
Other	39,160	158,340	-	-	197,500
<b>Total</b>	<u>\$ 175,113</u>	<u>\$ 208,402</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 383,515</u>



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**



**Project Name:** WSC - Linear Creek Trails and Elmendorf Lake Park **Project #** 0380  
**Managing Department:** Watershed Engineering

	Adopted Budget:	\$ 46,030,318
	SARA Contribution:	\$ -
Project Start Date:	1/1/2012	Unfunded Plan:
Project Finish Date:	5/24/2021	Total Project:
		\$ 46,030,318

The Westside Creeks Restoration Project Conceptual Plan, adopted in June 2011 by the River Authority’s Board of Directors, has served as the catalyst for the Elmendorf Lake Park Improvements project, Linear Creekway Trails project, United States Army Corps of Engineers General Reevaluation Report, and the San Pedro Creek Improvements Project. The community-based plan, overseen by the Westside Creeks Restoration Oversight Committee, set out to develop concepts to restore the Alazan, Apache, Martinez, and San Pedro Creeks ecosystem, maintain or enhance the current flood components of these creeks, improve water quality, and provide opportunities for people to enjoy these creeks.

Through the voter approved Proposition 2 in 2010, the City of San Antonio funded segments of linear creekway trails along the Westside Creeks. The Apache and San Pedro Creeks trail connected Elmendorf Lake Park to the San Antonio River. The 10-foot wide trail included amenities such as shade structures, drinking fountains, signage, and seating. The Alazan Creek trail connected Woodlawn Lake Park to West End Park, and along Martinez Creek, the trail connected Fredericksburg Road to Cincinnati Avenue. The Martinez Creek segment included multimodal connections by linking VIA Metropolitan Transit’s Primo bus station to the creekway trail and a bike lane along Cincinnati Avenue that extends into Woodlawn Lake Park. The design and construction of these improvements was managed by the River Authority and completed in 2016. In May 2015, the voters approved another proposition that funds additional Linear Creekway Trails segments along the Westside Creeks. The River Authority manages these projects to completion.

The Elmendorf Lake Park Improvements Project, completed in 2016, was approved by City of San Antonio voters in 2012 with the passage of the 2012 bond, and received additional funding from Bexar County for flood control and water quality enhancements around the lake. The improvements included recreational enhancements such as shade structures, a playground and splash pad, additional bridge crossings over the lake, a pier, trails, picnic areas throughout the park and an improved park plaza for large gatherings. In addition to the recreational elements, water quality best management practices (BMPs) were installed and included fountains and aerators in the lake, rain gardens and bioswales, shoreline invasive plant removal, and a recirculating water feature. In 2017, voters approved additional bond funds to construct an aquatic facility. The facility will include a pool with lap lanes, a beach entry pool, changing rooms, restrooms, and landscaping.

In FY 2019/20, the River Authority will commence construction on the second phase of trails along the Alazan and Zarzamora Creeks. The Alazan Creek Trail extends from Lombrano St. to the confluence with Apache Creek near Laredo St. The Zarzamora Creek extends from General McMullen to Alderete Park near Aurora Ave. The Alazan and Zarzamora projects are expected to start construction in Summer 2019. The Martinez Creek Trail is completed with design, however the trail construction has been placed on hold by the City of San Antonio due to the SAWS Sanitary Sewer Replacement project that is presently under construction along Martinez Creek until June 2020. The trails are 10 feet in width and include amenities such as trail heads, shade structures, benches and signage. The Confluence Park stairway connection will be constructed and will serve as the official entrance to the park from the Mission Reach trail system and the nearby San Pedro Creek trail system. The Elmendorf Lake Pool and amenities are presently in construction with expected completion date in May 2019. City of San Antonio will assume responsibility for operations and maintenance on the Elmendorf Pool project.

**Spending Plan of Total Project Budget**

	Actuals as of	<u>April 1, 2019</u> to	<u>2020/21</u>	Succeeding from	<u>Total</u>
<b>Expenditures</b>	<u>March 31, 2019</u>	<u>June 2020</u>	<u>2020/21</u>	<u>2021</u>	<u>Total</u>
Right-of-Way Acquisition	\$ 204,346	\$ -	\$ -	\$ -	\$ 204,346
Design	5,724,205	711,324	-	-	6,435,529
Construction	22,471,546	14,941,213	-	-	37,412,759
Public Outreach	33,314	41,686	-	-	75,000
Project Management Fee	1,161,906	740,778	-	-	1,902,684
<b>Total</b>	<u>\$ 29,595,317</u>	<u>\$ 16,435,001</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 46,030,318</u>



SAN ANTONIO  

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RIVER AUTHORITY

## **Projects Goal #4**



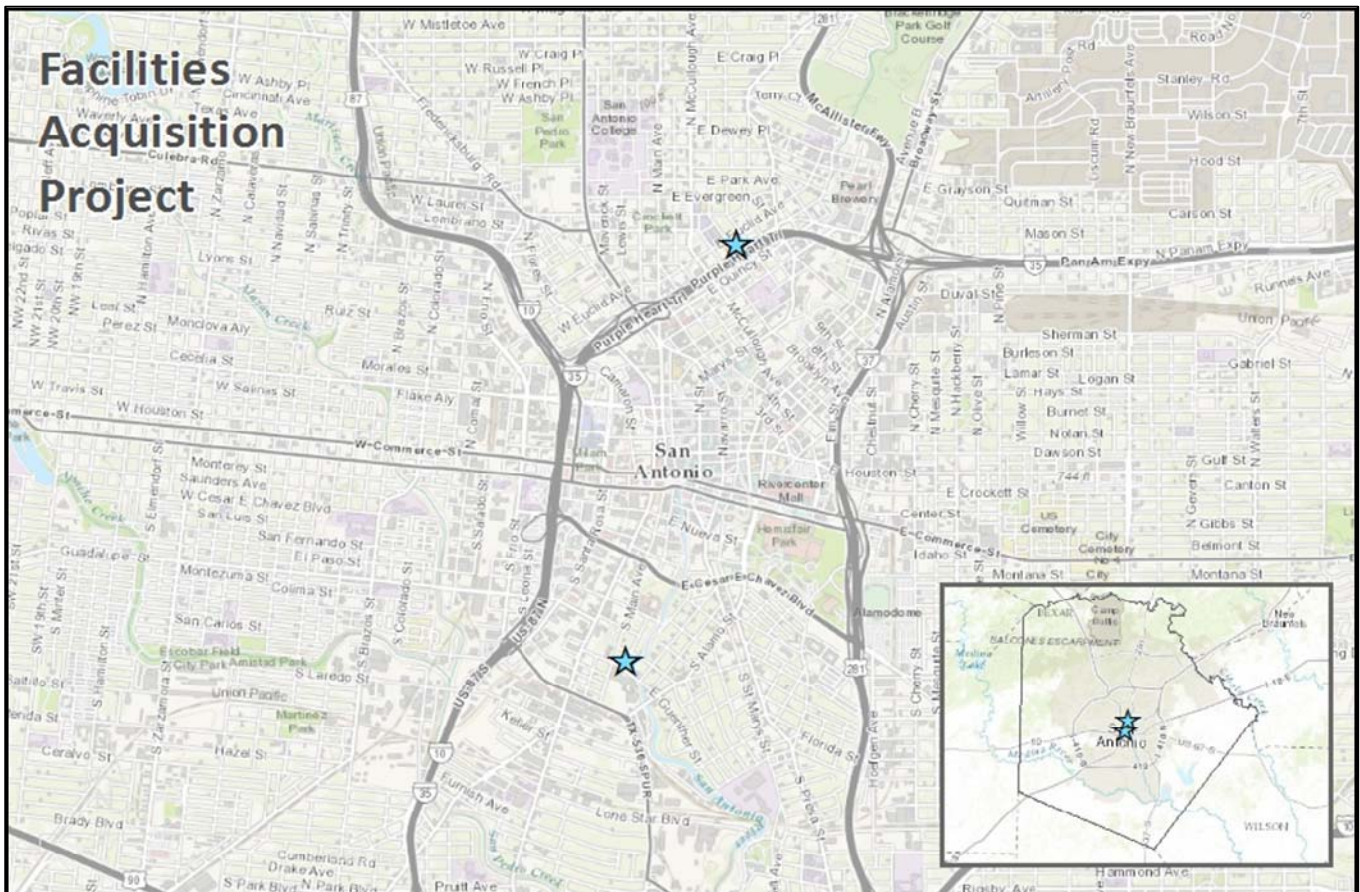
**Photo by Roberta Williams  
2019 River Clicks Photo Contest  
Plants Category Winner**



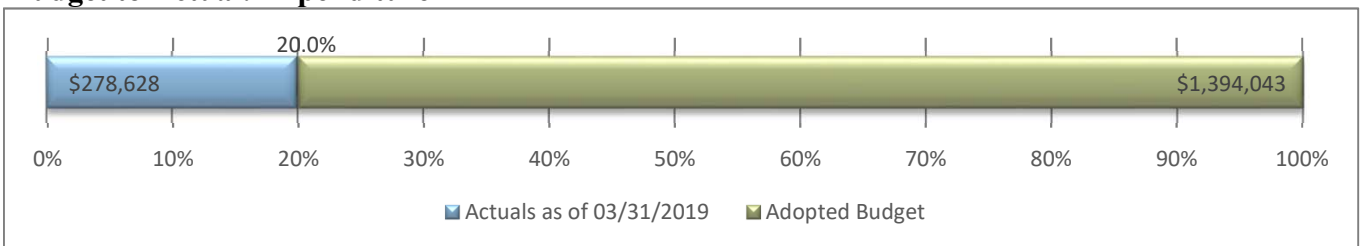
**Maximize Strategic Use of Resources** – Diversify and leverage funding, technology, and people (employees, partners, community) to strengthen business processes and SARA service delivery.

- Pursue implementation of the facilities improvement and expansion plan.
- Increase service delivery of the utility enterprise.
- Improve service delivery of the utility enterprise.
- Review and update business processes and practices that mitigate organization risk.
- Ensure GIS data, applications and guidance documentation are easily accessible, intuitive and user-friendly, for both internal and external customers.

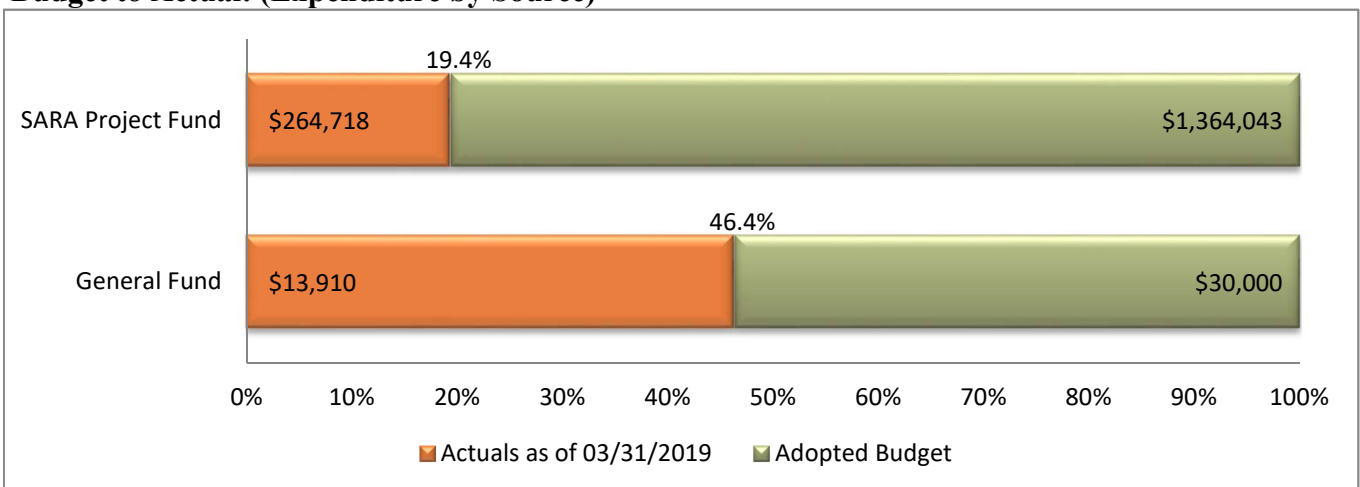
- Facilities Acquisition/ Improvements
  - Lucy
  - Martinez IV CIP
  - Martinez IV Solar
  - Martinez IV WWTP and Phase IV WW Line
  - Martinez IV WWTP Expansion
  - Randolph Air Force Base All Years
  - Salitrillo & Martinez Sewershed Models
  - Salitrillo Collection Wholesale System Inflow and Infiltration
  - Salitrillo WWTP Expansion
  - San Pedro Creek Operations Center
  - SARA Wastewater Collection System Inflow and Infiltration
  - Utility Optimization



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**





<b>Project Name:</b>	<b>Facilities Acquisition/ Improvements</b>	<b>Project #</b>	<b>0585</b>
Managing Department:	Facilities		
		Adopted Budget:	\$ 1,364,043
		SARA Contribution:	\$ 30,000
Project Start Date:	7/1/2017	Unfunded Plan:	\$ -
Project Finish Date:	6/30/2020	Total Project:	\$ 1,394,043

The River Authority has various needs and opportunities for facilities acquisition and improvements including additional administrative space, a location for Watershed and Park Operations staff to serve San Pedro Creek improvements once completed, and renewal of aging infrastructure in existing facilities. The River Authority is working to finalize a facilities plan. Funding for this project will help further the plan as well as improve the current working conditions of existing facilities.

Initial efforts for the Facilities Acquisition/ Improvements project include heating, ventilation, and air conditioning (HVAC) studies for Guenther Street and Euclid Avenue office buildings. Studies to include cost estimates, design, and reconfiguration options. Additionally, a commercial real estate consultant will seek alternatives to meet the River Authority’s space needs.

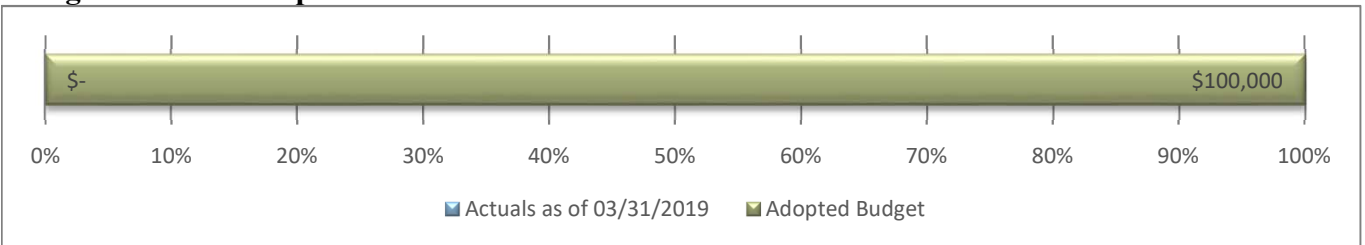
In FY 2018/19, the heating, ventilation, and air conditioning (HVAC) studies for the Guenther Street main office and Euclid Avenue environmental center were completed. In FY 2019/20, the HVAC at Guenther will be replaced. Operations and maintenance costs may be reduced.

New funding for FY 2019/20 is \$1,000,000.

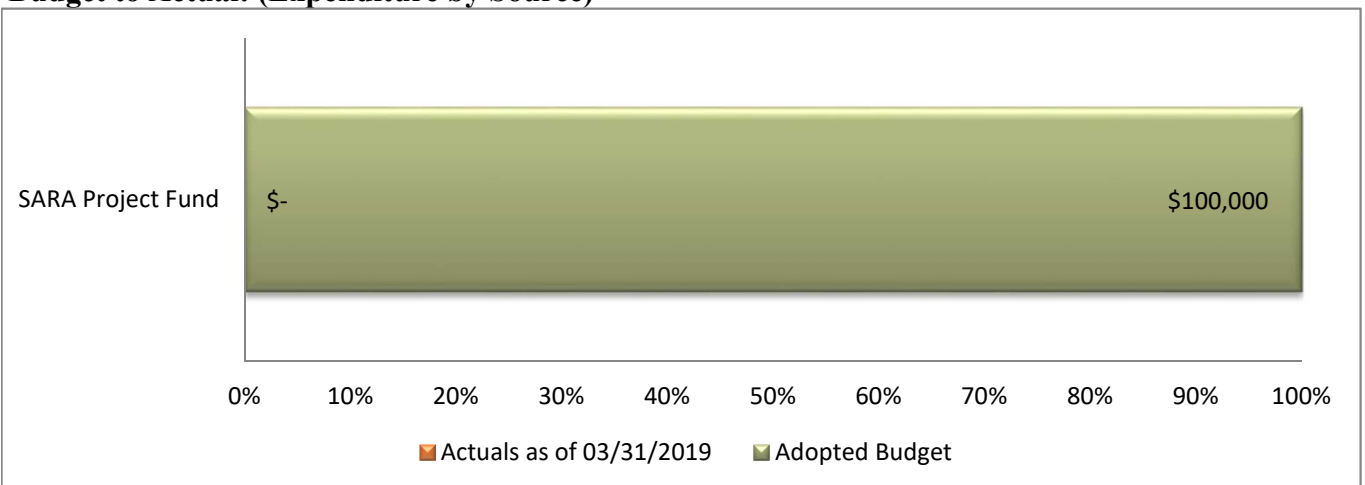
<b>Spending Plan of Total Project Budget</b>					
	Actuals as of	<u>April 1, 2019</u> to		Succeeding from	
<b>Expenditures</b>	<u>March 31, 2019</u>	<u>June 2020</u>	<u>2020/21</u>	<u>2021</u>	<u>Total</u>
Personnel	\$ 13,910	\$ 16,090	\$ -	\$ -	\$ 30,000
Contracted & Other Services	200,264	1,099,325	-	-	1,299,589
Capital Outlay	64,454	-	-	-	64,454
<b>Total</b>	<u>\$ 278,628</u>	<u>\$ 1,115,415</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 1,394,043</u>



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**



**Project Name:** **Lucy Implementation and Asset Management** **Project #** **0624**

Managing Department: Information Technology

		Adopted Budget:	\$	100,000
		SARA Contribution:	\$	-
Project Start Date:	2/20/2019	Unfunded Plan:	\$	-
Project Finish Date:	6/30/2021	Total Project:	\$	100,000

In 2018, SARA implemented Lucy as an asset management system to submit requests for service by various departments. The Lucy software offers opportunities for asset management that can integrate preventative maintenance, financial planning, and work flow processes. By streamlining our practices into one software that can communicate with other software used by SARA, we can create ease of use for staff and more efficiently and effectively manage our assets.

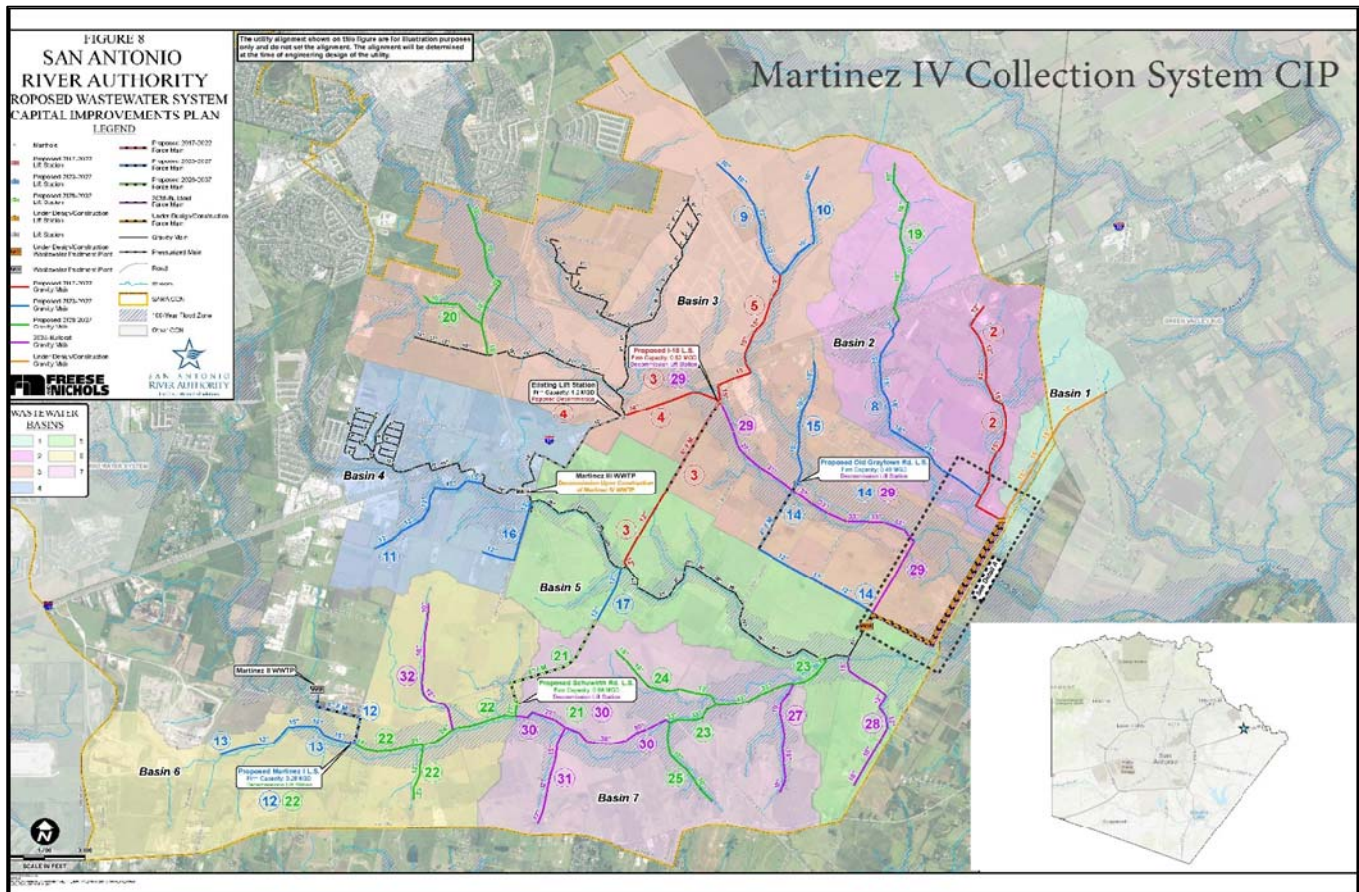
Finalize asset management software (Lucy) implementation and build business processes to improve management of physical resources (fixed assets). Project includes reconcile SARA asset information between financial system and asset management software (Lucy), implementing preventative maintenance functionality within Lucy system, development and training of staff on how to document work order history, development of solution to utilize Lucy for Real Estate, land management and work order needs, and development of SOP for use by other SARA departments based on Utility implementation of Lucy to track asset replacement. SARA staff will work with Lucy software developers to unlock the additional software capabilities to track assets, standardize preventative maintenance, and communicate with other software.

Additional deployment of Lucy software for additional departments (Real Estate, ESD, WPO, Utility), development of software integration based on SARA needs (e.g. OneSolution, SCADA), and implementation of SARA SOP.

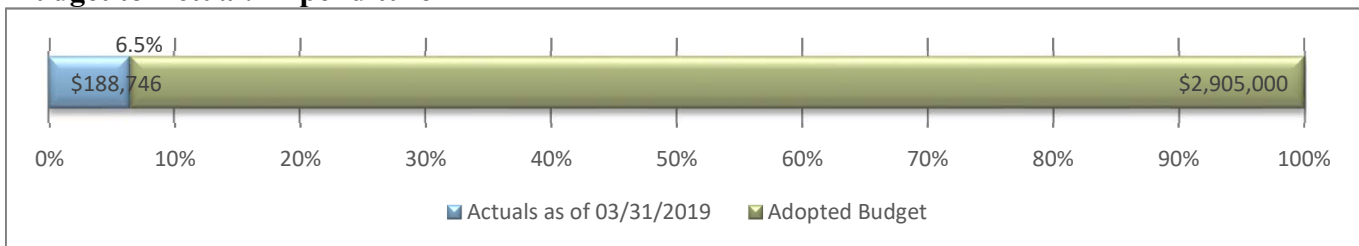
New funding for FY 2019/20 is \$100,000.

**Spending Plan of Total Project Budget**

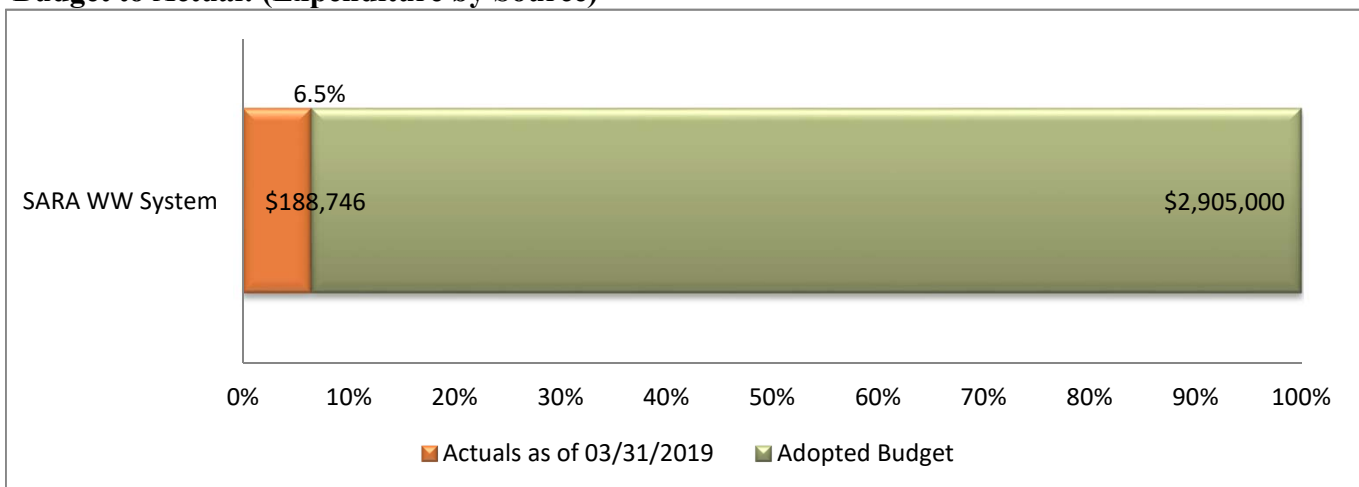
<b>Expenditures</b>	Actuals	<u>April 1, 2019</u>		Succeeding	<u>Total</u>
	as of	to	<u>2020/21</u>	from	
	<u>March 31, 2019</u>	<u>June 2020</u>		<u>2021</u>	
Contracted & Other Services	\$ -	\$ 100,000	\$ -	\$ -	\$ 100,000
<b>Total</b>	\$ -	\$ 100,000	\$ -	\$ -	\$ 100,000



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**



<b>Project Name:</b>	<b>Martinez IV Collection System CIP</b>	<b>Project #</b>	<b>0611</b>
Managing Department:	Utility		
		Adopted Budget:	\$ 2,905,000
		SARA Contribution:	\$ -
Project Start Date:	7/1/2018	Unfunded Plan:	\$ -
Project Finish Date:	6/30/2028	Total Project:	\$ 2,905,000

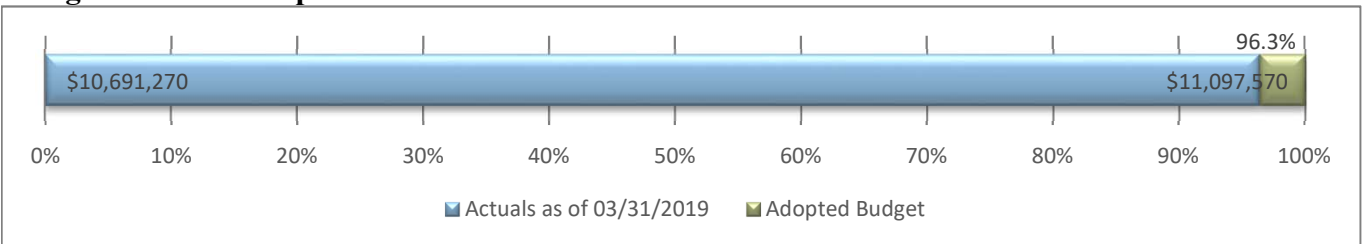
The Martinez IV Collection System CIP project will begin design on new collection system lines in the Martinez IV service area identified in the Martinez IV Service Area Master Plan completed in FY 2017/18. The plan identifies thirty-three capital improvement projects to develop the service area to ultimate build out. The improvements in the plan were phased by planning year depending on the timing of projected developments. As development in the area occurs staff will work with developers on the design and construction of the collection system.

In FY 2019/20, work will include the construction of Project 4. River Authority staff will work with a contractor to install 4,000 linear feet of 24 inch PVC pipe and install ten new manholes. As lines and/or lift stations are installed there will be future operations and maintenance expenditures associated with the maintenance of the collection system.

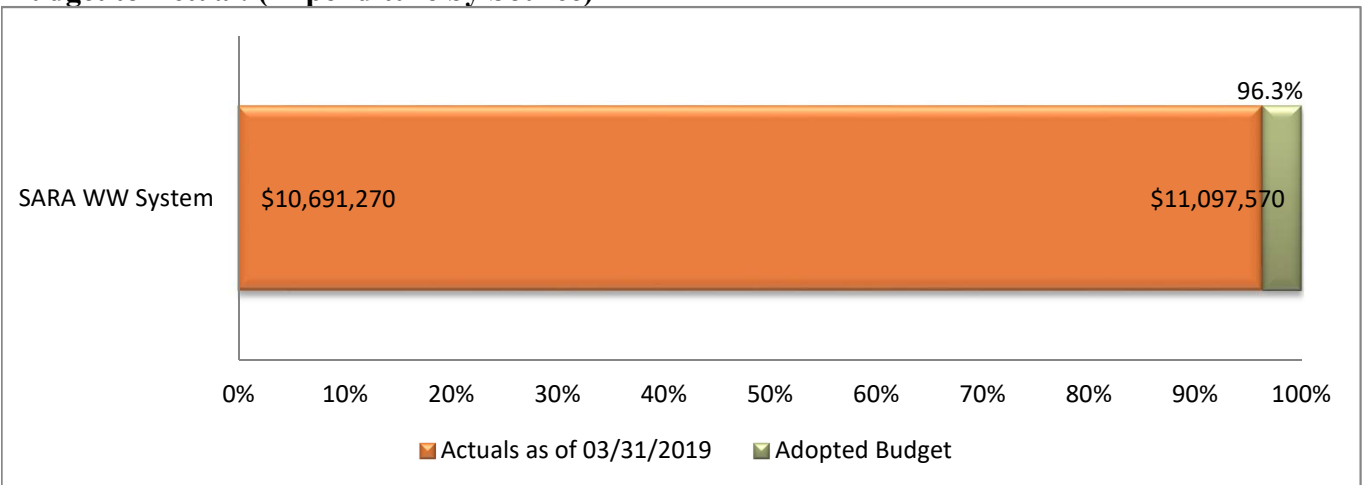
<b>Spending Plan of Total Project Budget</b>					
	Actuals	April 1, 2019		Succeeding	
	as of	to		from	
<b>Expenditures</b>	<u>March 31, 2019</u>	<u>June 2020</u>	<u>2020/21</u>	<u>2021</u>	<u>Total</u>
Labor	\$ 6,065	\$ 23,935	\$ -	\$ -	\$ 30,000
Design	12,227	18,073	-	-	30,300
Construction	170,454	2,570,454	-	-	2,740,908
Contracted & Other Services	-	103,792	-	-	103,792
<b>Total</b>	<u>\$ 188,746</u>	<u>\$ 2,716,254</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 2,905,000</u>



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**



**Project Name:** Martinez IV WWTP and Phase IV WW Line      **Project #**      **0107**  
**Managing Department:** Utility

	Adopted Budget:	\$ 11,097,570
	SARA Contribution:	\$ -
Project Start Date: 11/16/2006	Unfunded Plan:	\$ -
Project Finish Date: 6/30/2020	Total Project:	\$ 11,097,570

The River Authority constructed the first phase of the Martinez IV Wastewater Treatment Plant (WWTP) and additional wastewater collection line in eastern Bexar County. The plant is in response to urban growth and increased requests for sewer service. With the addition of the 250,000 GPD WWTP and 17,000 linear foot collection system, the River Authority's utility enterprise is maximizing strategic use of its resources and efficiently meeting service delivery needs.

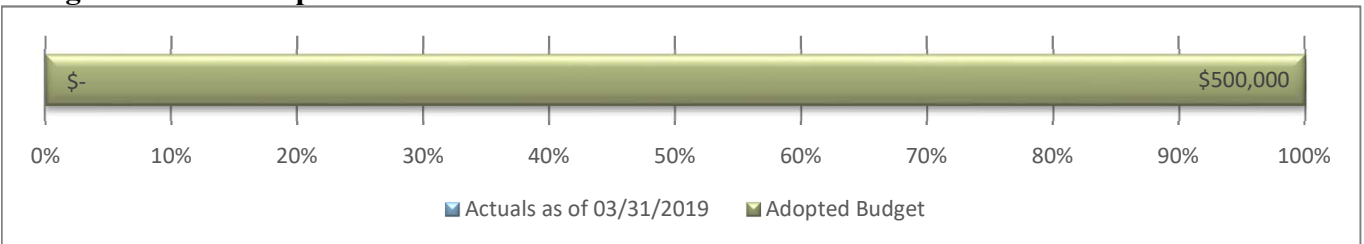
The Martinez IV WWTP began operating in April 2019 and the project will close out in FY 2019/20. The Martinez IV WWTP will replace the need for Martinez III, which will be decommissioned in FY 2019/20. Initial operating costs are anticipated to be around \$80,000 annually and are included in the FY 2019/20 Adopted Budget. As flow increases and future plant expansions are completed, operating costs will increase.

**Spending Plan of Total Project Budget**

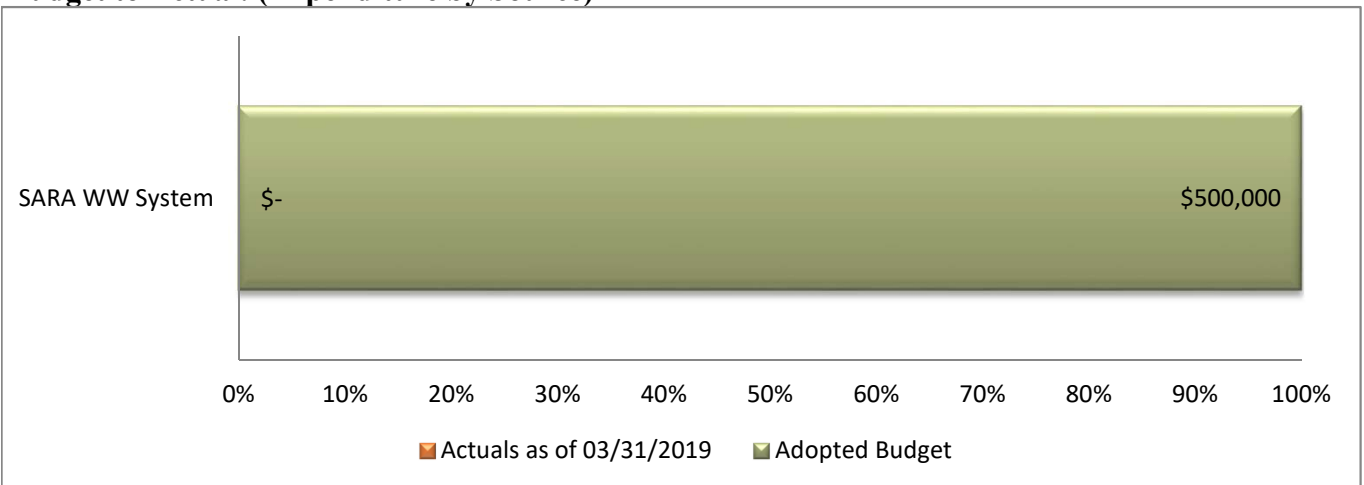
	Actuals as of	<u>April 1, 2019</u> to	<u>June 2020</u>	<u>2020/21</u>	Succeeding from	<u>Total</u>
<b>Expenditures</b>	<u>March 31, 2019</u>	<u>June 2020</u>	<u>2020/21</u>	<u>2021</u>	<u>2021</u>	<u>Total</u>
Personnel	\$ 198,287	\$ 5,782	\$ -	\$ -	\$ -	\$ 204,069
Right-of-Way Acquisition	63,609	-	-	-	-	63,609
Construction	10,429,374	400,518	-	-	-	10,829,892
Total	<u>\$ 10,691,270</u>	<u>\$ 406,300</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 11,097,570</u>



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**





<b>Project Name:</b>	<b>Martinez IV WWTP Expansion</b>	<b>Project #</b>	<b>0627</b>
Managing Department:	Utility		
		Adopted Budget:	\$ 500,000
		SARA Contribution:	\$ -
Project Start Date:	1/1/2020	Unfunded Plan:	\$ 9,500,000
Project Finish Date:	12/30/2022	Total Project:	\$ 10,000,000

In the Martinez IV service area rapid growth is demanding additional capacity at the Martinez IV wastewater treatment plant (WWTP). In order to respond to increased requests for sewer service and avoid resource intensive pumping and hauling to Martinez II, Martinez IV will need to be expanded. The Martinez IV Expansion will maximize the strategic use of the River Authority's resources and will increase service delivery of the utility enterprise.

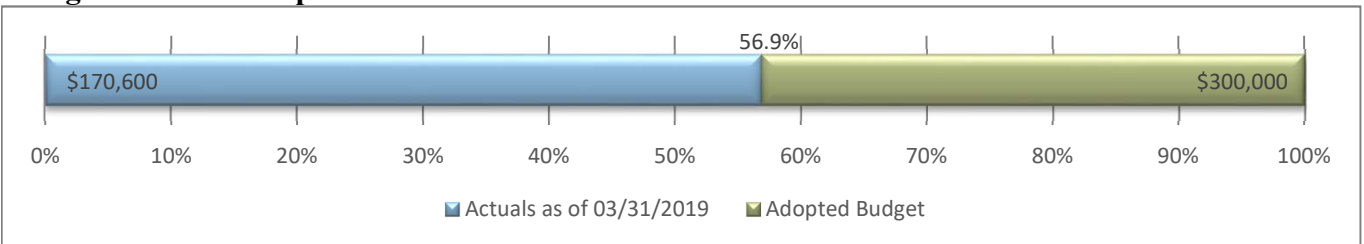
This project will take the Martinez IV WWTP from 250,000 gallons per day (GPD) to 1,000,000 gallons per day and construct the second lift station at Abbott Road. This expansion will also serve Green Valley Special Utility District's (GVSUD) contracted flow. Currently, the River Authority is committed to provide GVSUD 360,000 GPD of capacity and GVSUD has platted 1,400 connections (336,000 GPD). The River Authority currently has 1,021 connections (245,040 GPD) in the Martinez IV System. This brings the plant to a current demand capacity of 605,040 GPD, exceeding the permitted 250,000 GPD.

In FY 2019/20, this project will be procured through the design build process.

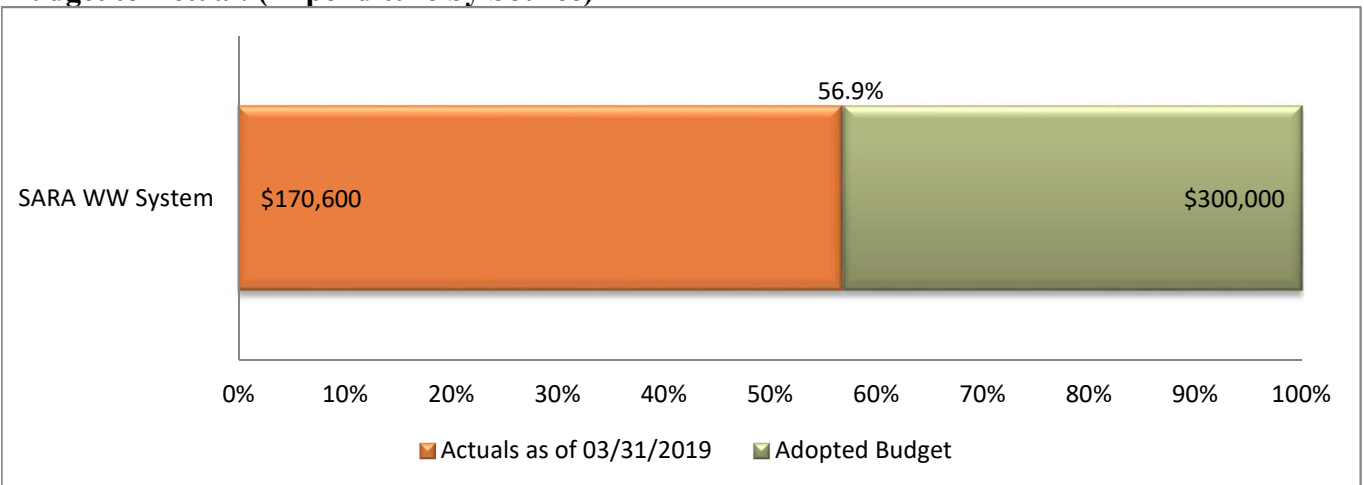
<b>Spending Plan of Total Project Budget</b>					
	Actuals as of	<u>April 1, 2019</u> to		Succeeding from	
<b>Expenditures</b>	<u>March 31, 2019</u>	<u>June 2020</u>	<u>2020/21</u>	<u>2021</u>	<u>Total</u>
Design	\$ -	\$ 500,000	\$ 1,500,000	\$ -	\$ 2,000,000
Construction	-	-	-	8,000,000	8,000,000
Total	\$ -	\$ 500,000	\$ 1,500,000	\$ 8,000,000	\$ 10,000,000



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**



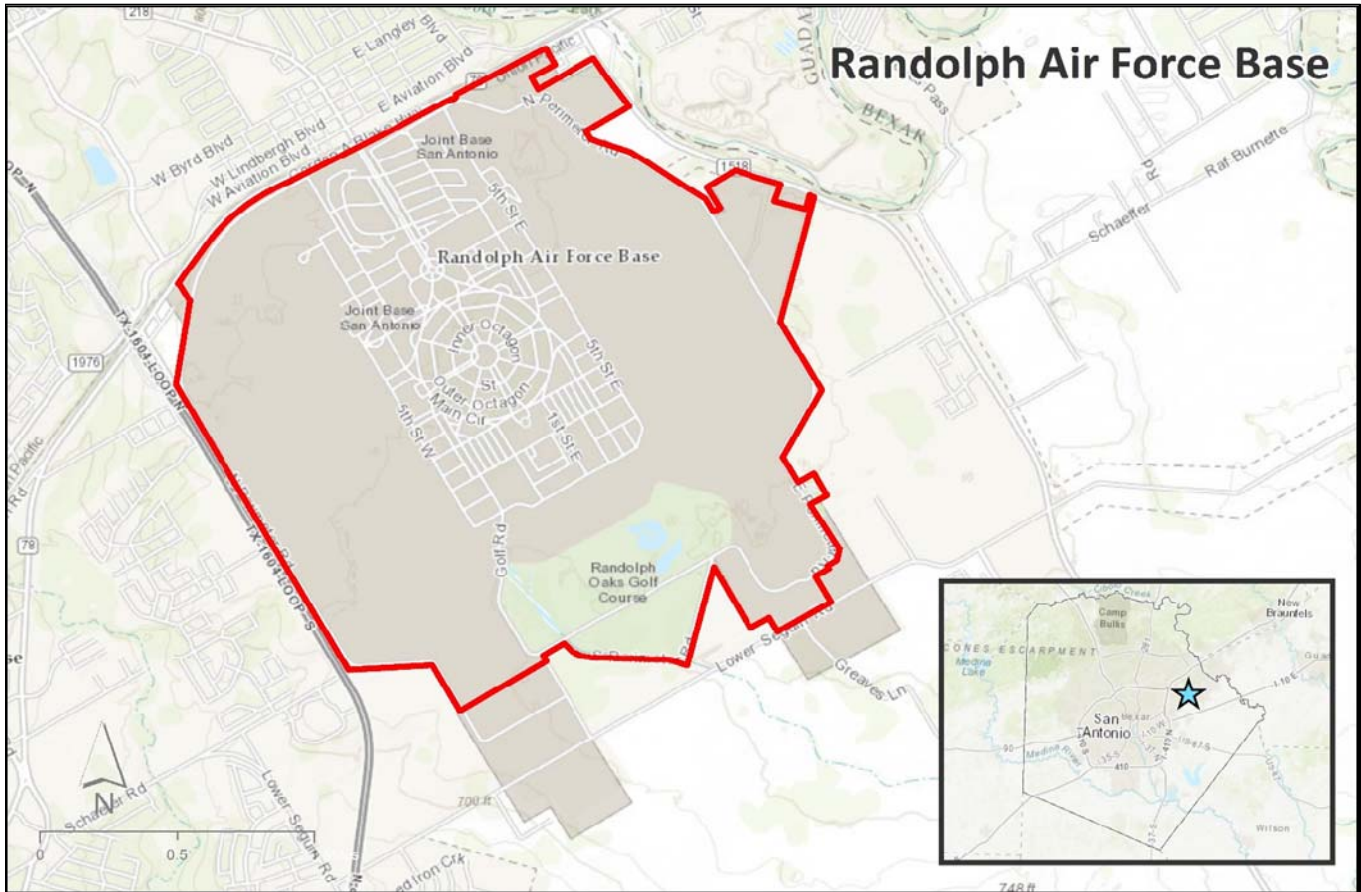
<b>Project Name:</b>	<b>Martinez IV Solar</b>	<b>Project #</b>	<b>0613</b>
Managing Department:	Utility		
		Adopted Budget:	\$ 300,000
		SARA Contribution:	\$ -
Project Start Date:	7/1/2018	Unfunded Plan:	\$ -
Project Finish Date:	9/30/2019	Total Project:	\$ 300,000

The River Authority is using the Martinez IV Solar Project to offset the cost of energy at the Martinez IV Wastewater Treatment Plant (WWTP).

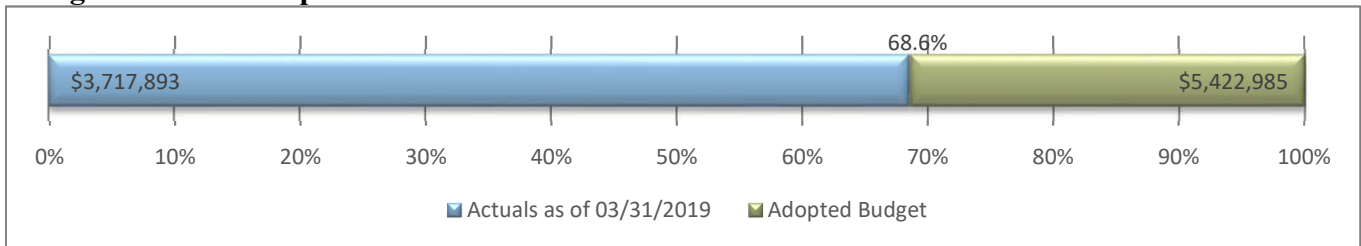
The project's objective is to install solar panels in the wastewater treatment plants buffer zone to offset 55% of the electrical usage for the first phase of the WWTP (250,000 GPD).

In FY 2018/19, the project was designed and constructed. It is anticipated that project construction will be completed by June 30th 2019 and the project will be closed in FY 2019/20. Operations and maintenance costs are included in the FY 2019/20 Adopted Budget.

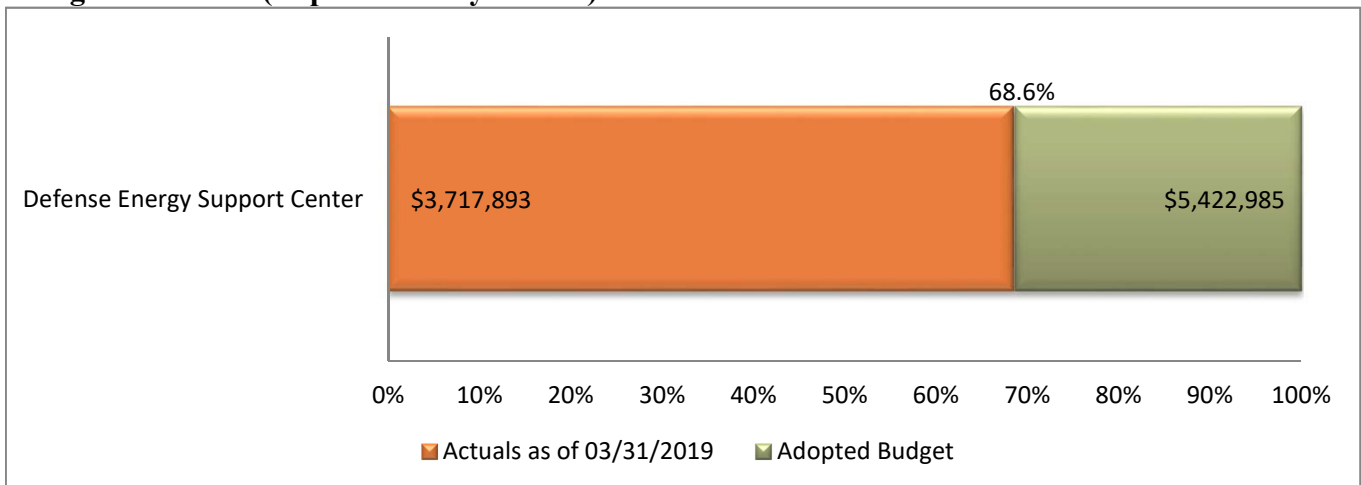
<b>Spending Plan of Total Project Budget</b>					
	Actuals as of	<u>April 1, 2019</u> to		Succeeding from	
<b>Expenditures</b>	<u>March 31, 2019</u>	<u>June 2020</u>	<u>2020/21</u>	<u>2021</u>	<u>Total</u>
Construction	\$ 170,600	\$ 129,400	\$ -	\$ -	\$ 300,000
Total	\$ 170,600	\$ 129,400	\$ -	\$ -	\$ 300,000



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**



<b>Project Name:</b>	<b>Randolph Air Force Base All Years</b>	<b>Project #</b>	<b>9999</b>
Managing Department:	Utility		
		Adopted Budget:	\$ 5,422,985
		SARA Contribution:	\$ -
Project Start Date:	7/1/2003	Unfunded Plan:	\$ -
Project Finish Date:	7/1/2052	Total Project:	\$ 5,422,985

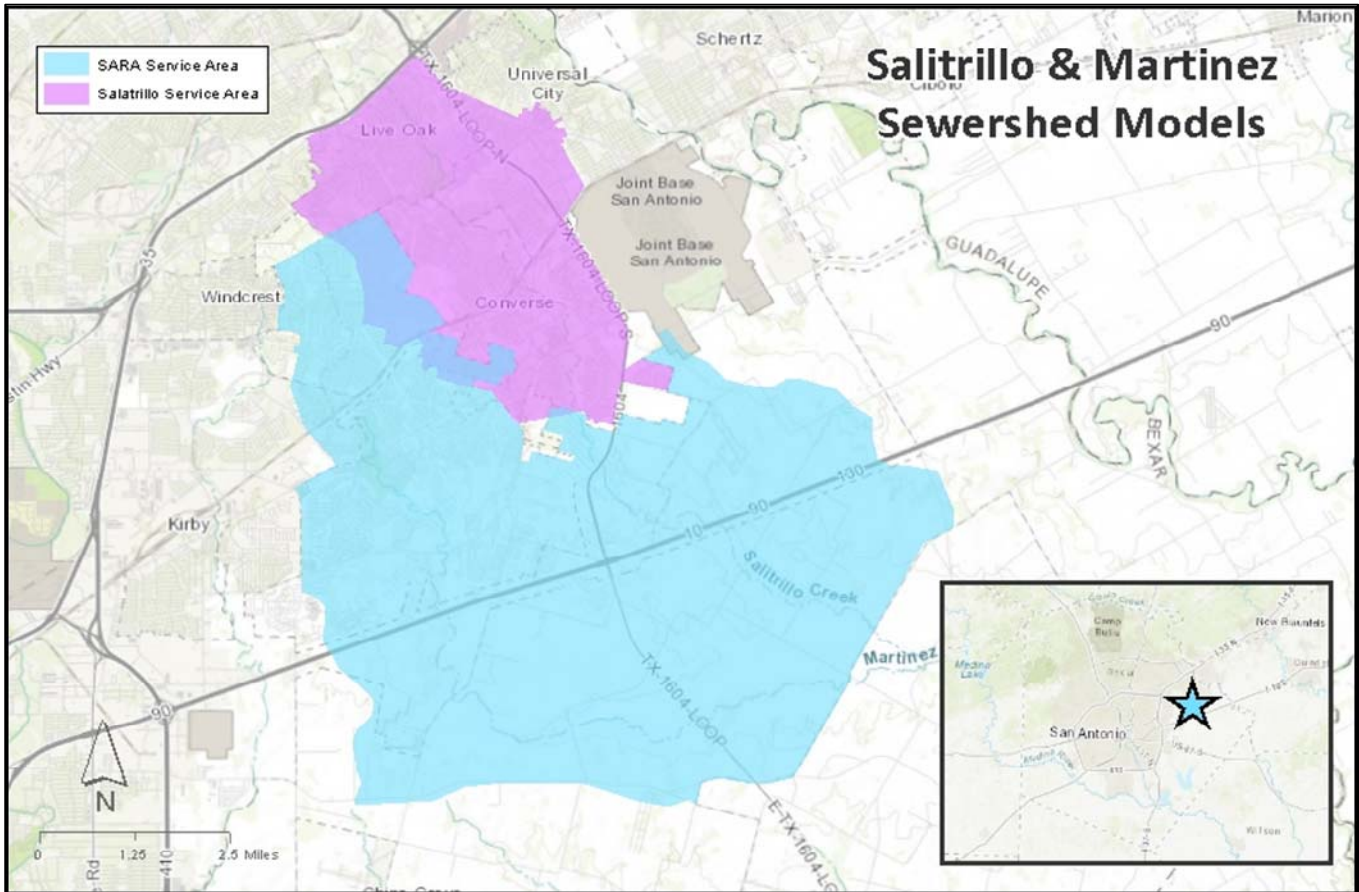
The San Antonio River Authority, through a contract with the federal government, has responsibility for the Randolph Air Force Base (RAFB) wastewater collection system which provides service to customers of the RAFB installation adjacent to Universal City in Bexar County. The Utility Department operates and maintains the River Authority owned collection system in the RAFB installation and completes projects annually that improve the system. The Randolph Air Force Base Renewals and Replacement Fund accounts for the capital improvement projects completed annually to maintain the collection system.

The River Authority rehabilitates portions of the Randolph Air Force Base (RAFB) collection system based on a 50 year plan. The River Authority reassesses the sewer lines by closed circuit television to determine lateral locations which are in poor condition, as well as determine the best type of rehabilitation. Repairs and improvements are then completed for the identified line, and the manholes involved are coated.

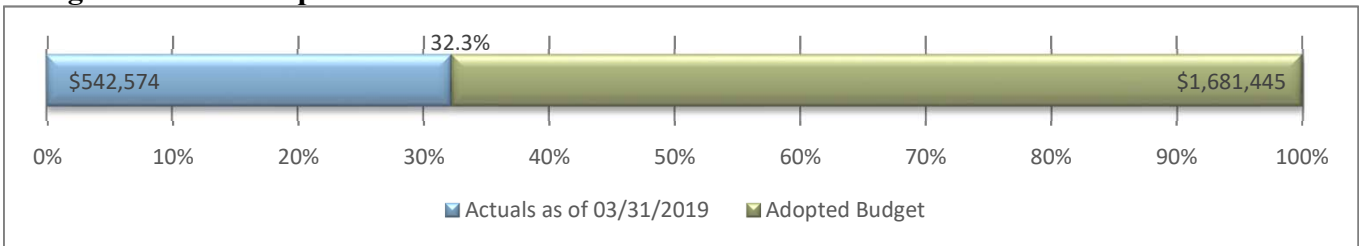
In FY 2019/20, the River Authority will complete year 16 (2019) projects. This includes rehabilitation of 4,272 linear feet of six inch pipe, 3060 linear feet of eight inch pipe, 1532 linear feet of 12 inch pipe by cast in place pipe (CIPP) and rehabilitations of 34 manholes by installing new rings and covers and spraying the manhole's interior with epoxy liner. Operations and maintenance expenditures for these improvements are included in the FY 2019/20 Adopted Budget.

**Spending Plan of Total Project Budget**

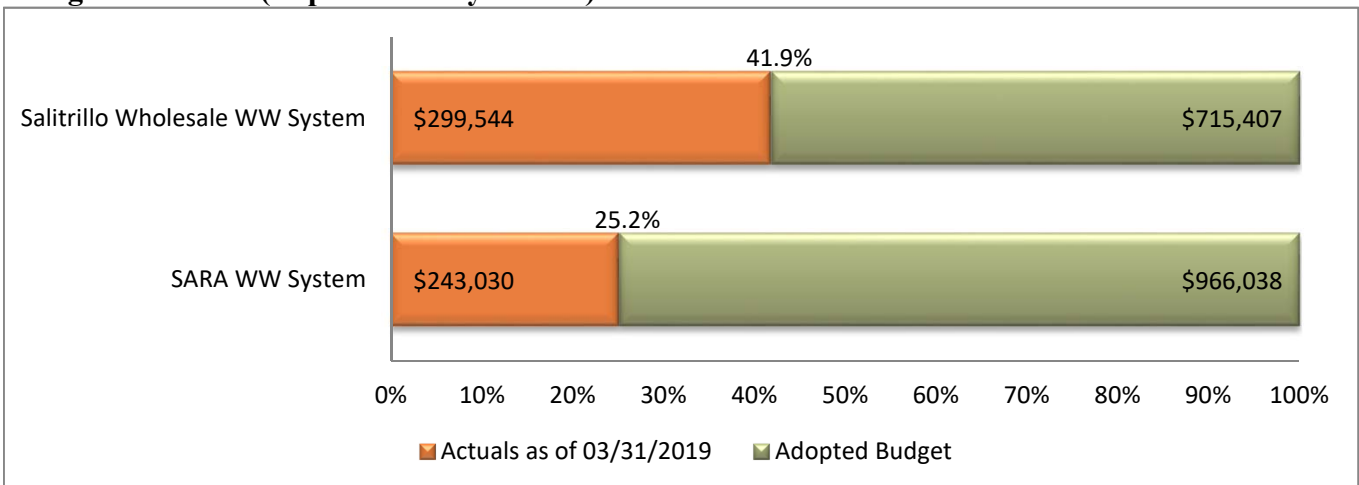
<b>Expenditures</b>	Actuals	<u>April 1, 2019</u>		Succeeding	<u>Total</u>
	as of	to		from	
	<u>March 31, 2019</u>	<u>June 2020</u>	<u>2020/21</u>	<u>2021</u>	
Personnel	\$ 244,897	\$ -	\$ -	\$ -	\$ 244,897
Construction	3,472,996	1,705,092	-	-	5,178,088
Total	<u>\$ 3,717,893</u>	<u>\$ 1,705,092</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 5,422,985</u>



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**



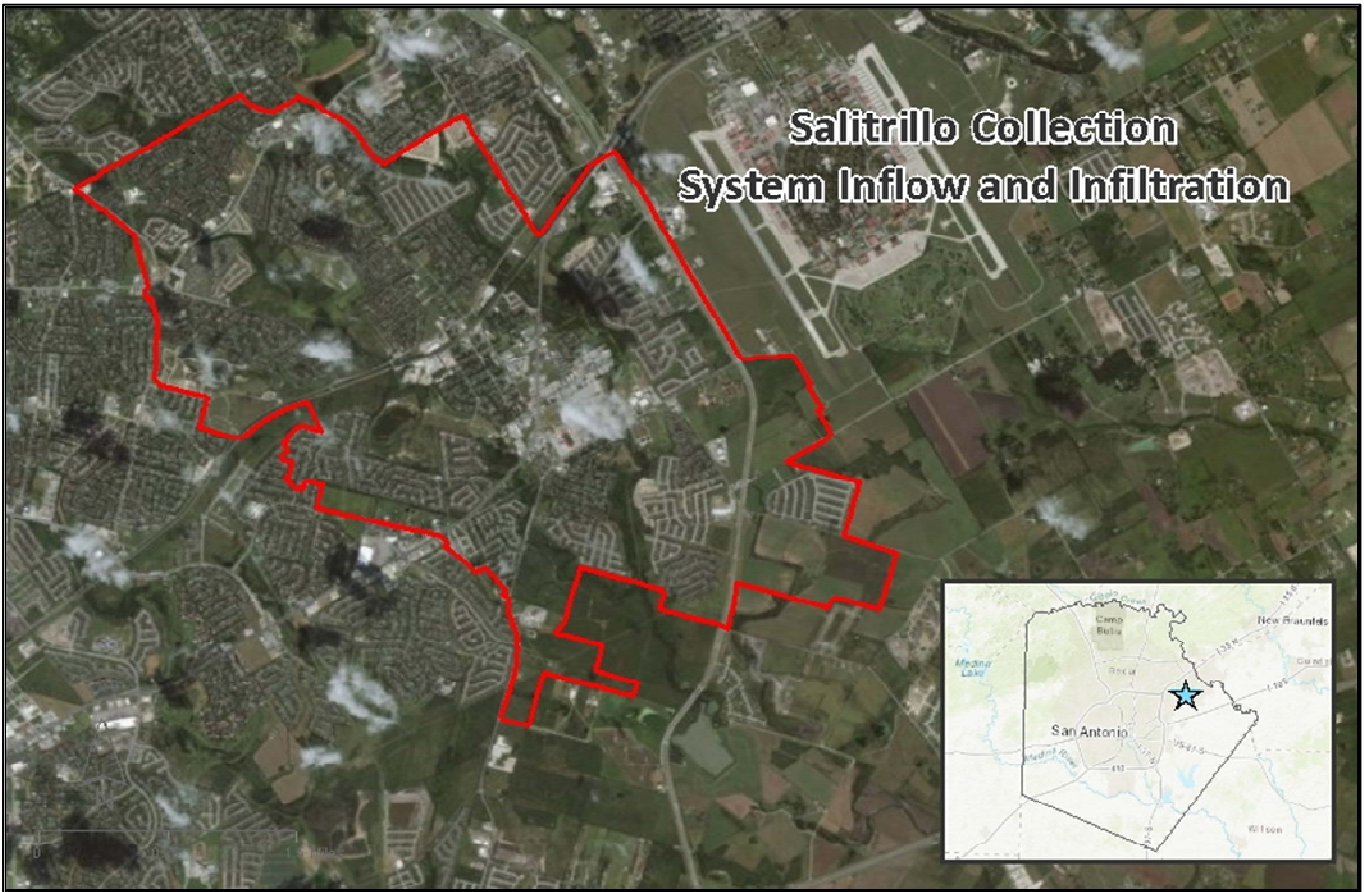
<b>Project Name:</b>	<b>Salitrillo &amp; Martinez Sewershed Models</b>	<b>Project #</b>	<b>0535</b>
Managing Department:	Utility		
		Adopted Budget:	\$ 1,681,445
		SARA Contribution:	\$ -
Project Start Date:	7/1/2016	Unfunded Plan:	\$ 400,000
Project Finish Date:	6/30/2021	Total Project:	\$ 2,081,445

The Salitrillo & Martinez Sewershed Models project develops comprehensive and dynamic sewershed system models for the Salitrillo and Martinez Wastewater Treatment Plants (WWTP). These models help to quantify available system capacity and identify inefficiencies that require attention.

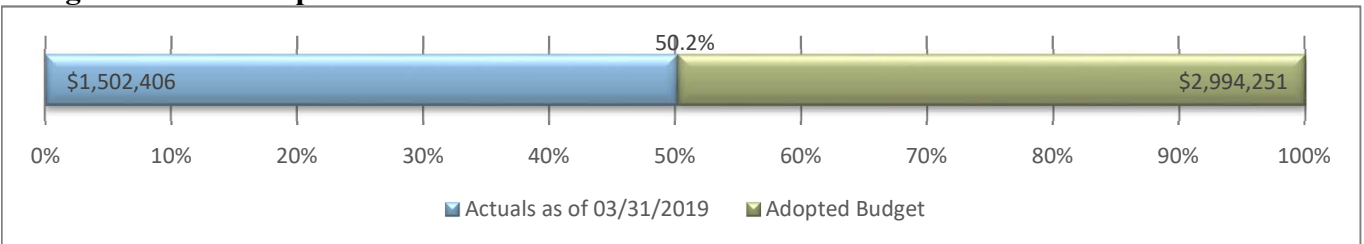
Twenty year projected growth demands will be simulated for the Salitrillo and Martinez wastewater collection systems and wastewater treatment plants to identify future infrastructure improvements that will be required to meet flow projections. These proposed models will provide a scientific method for keeping check on the capacity of the collection system and wastewater treatment plants to meet future needs.

In FY 2019/20, the deliverables will be an updated and verified utility geodatabase, recommendations on database schema for modeling, utility and GIS purposes. This project will not require any future operations and maintenance expenditures.

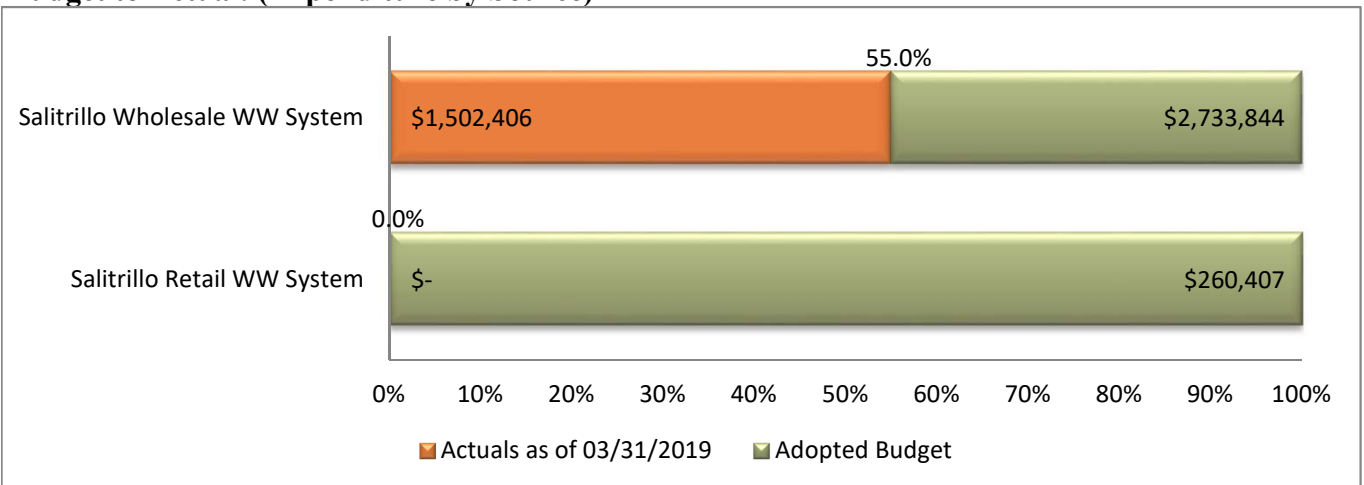
<b>Spending Plan of Total Project Budget</b>					
	Actuals as of	<u>April 1, 2019</u> to		Succeeding from	
<b>Expenditures</b>	<u>March 31, 2019</u>	<u>June 2020</u>	<u>2020/21</u>	<u>2021</u>	<u>Total</u>
Personnel	\$ 54,548	\$ 76,124	\$ -	\$ -	\$ 130,672
Contracted & Other Services	488,026	1,062,747	400,000	-	1,950,773
Total	<u>\$ 542,574</u>	<u>\$ 1,138,871</u>	<u>\$ 400,000</u>	<u>\$ -</u>	<u>\$ 2,081,445</u>



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**





**Project Name:** Salitrillo Collection Wholesale System Inflow and Infiltration **Project #** 0314

Managing Department: Utility

		Adopted Budget:	\$ 2,994,251
		SARA Contribution:	\$ -
Project Start Date:	5/4/2011	Unfunded Plan:	\$ -
Project Finish Date:	6/30/2021	Total Project:	\$ 2,994,251

The River Authority has an on-going commitment to improve inflow and infiltration (I&I) into the various collection systems owned and operated by the River Authority. This includes the Salitrillo Wastewater System. Reducing I&I, which is water that enters into the collection system through leaks in the pipes and manholes, reduces flow into the treatment plant. The flow into the plant determines when additional plant capacity is required. Excess flow attributed to I&I also increases operating costs, can put more stress on the wastewater treatment plant, and can result in sanitary sewer overflows.

The I&I project repairs defective manholes and defective lines in the system according to a 1 to 5 rating system, with 5 being the worst condition. Repairs throughout the system are occurring over a ten year period.

In FY 2019/20, staff will work with contractors to repair defective lines and manholes. River Authority staff will work with a contractor to rehabilitate 1,324 linear feet of 24 inch pipe by cast in place pipe (CIPP), 1,800 linear feet of 12 inch pipe by CIPP and rehabilitate 13 manholes by installing new rings and covers and spraying the manhole’s interior with epoxy liner. Future operations and maintenance expenditures could be reduced as a result of repair and replacement of aging pipe infrastructure.

**Spending Plan of Total Project Budget**

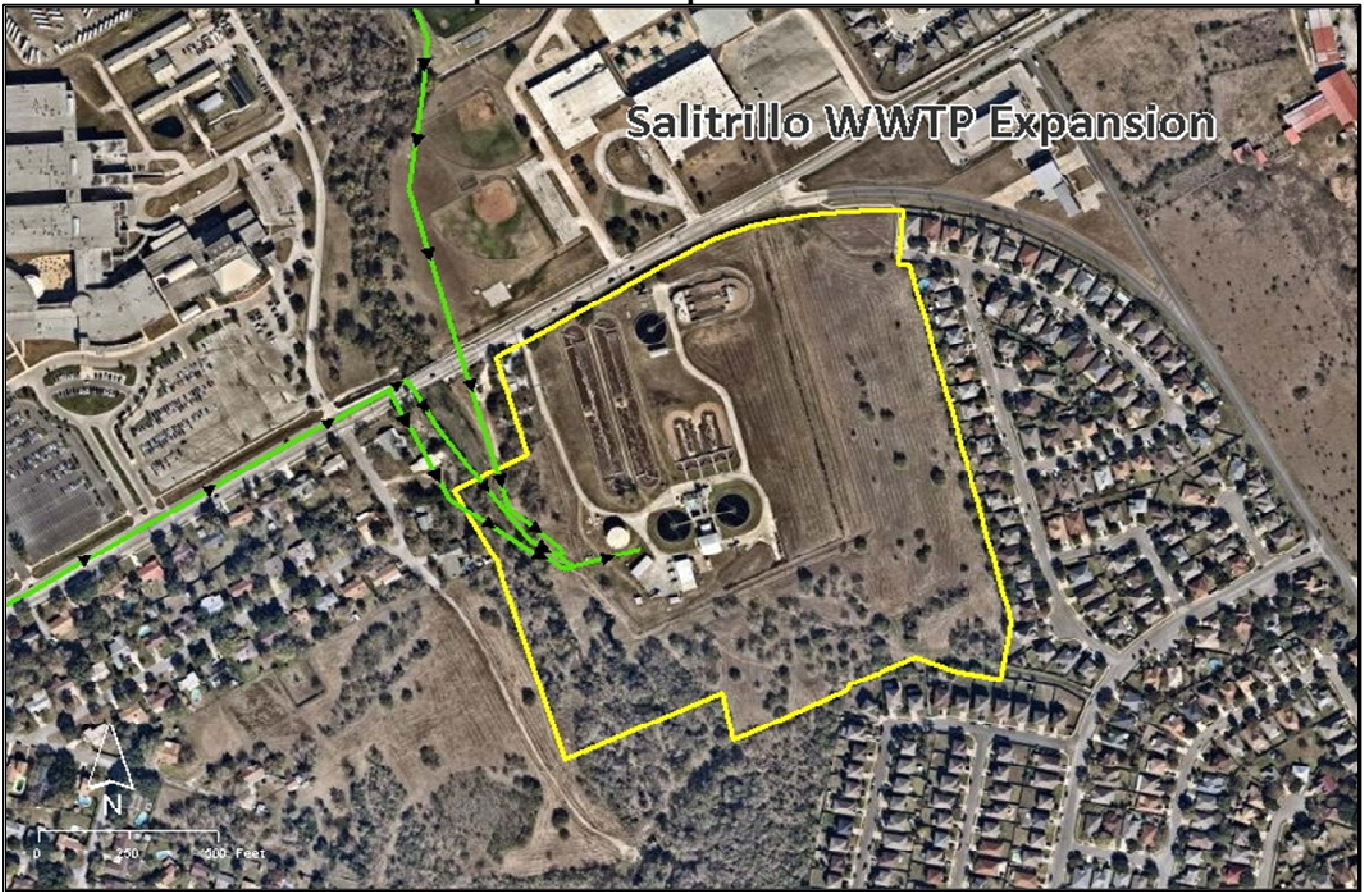
<b>Expenditures</b>	Actuals	<u>April 1, 2019</u>		Succeeding	<u>Total</u>
	as of	to	2020/21	from	
	<u>March 31, 2019</u>	<u>June 2020</u>		<u>2021</u>	
Construction	\$ 1,502,406	\$ 1,491,845	\$ -	\$ -	\$ 2,994,251
Total	\$ 1,502,406	\$ 1,491,845	\$ -	\$ -	\$ 2,994,251

Project Name:

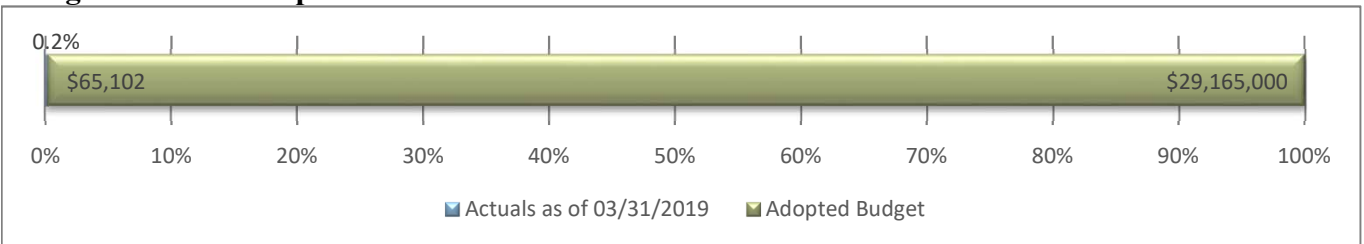
Salitrillo Wastewater Treatment Plant  
Expansion and Improvements

Project #

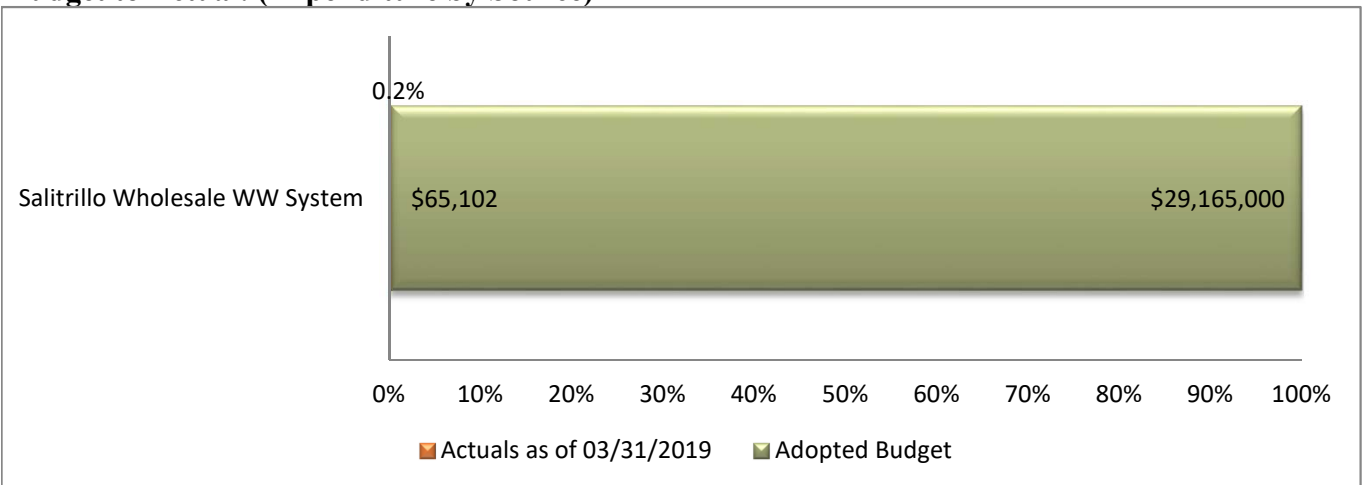
0612



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**



**Project Name:** Salitrillo Wastewater Treatment Plant **Project #** 0612  
**Expansion and Improvements**

Managing Department: Utility

		Adopted Budget:	\$ 29,165,000
		SARA Contribution:	\$ -
Project Start Date:	7/26/2018	Unfunded Plan:	\$ -
Project Finish Date:	3/30/2023	Total Project:	\$ 29,165,000

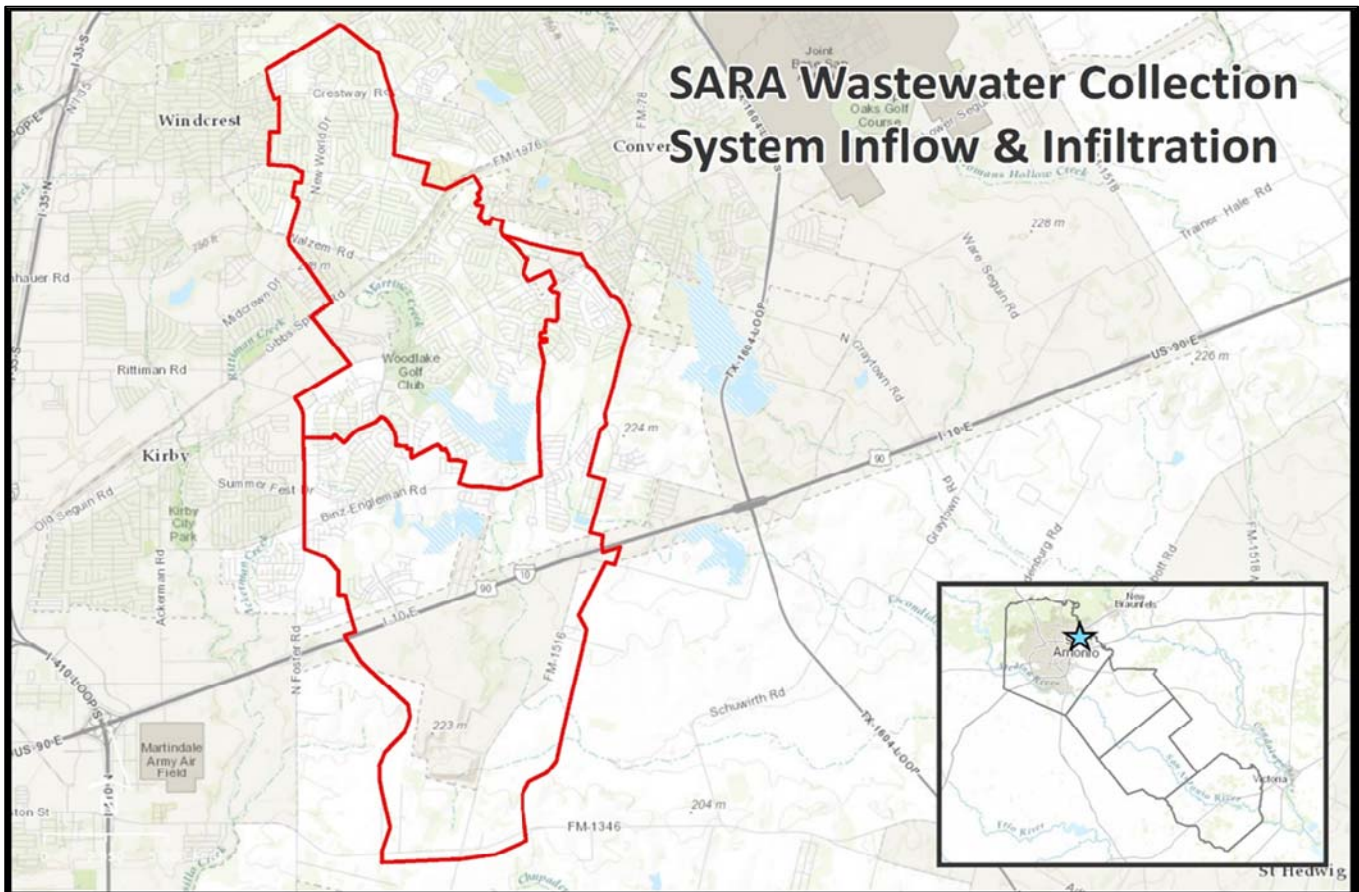
The Salitrillo Wastewater Treatment Plant (WWTP) Expansion and Improvements project will increase and improve the service delivery of the utility enterprise.

The Salitrillo WWTP will be expanded from permitted daily average flow of 5.83 million gallons per day (MGD) to 7.50 MGD to accommodate development and growth in the Salitrillo Service Area and to address plant wet weather peaking challenges. Additionally several items from the Capital Improvements and Replacement and Repair Plans will be included.

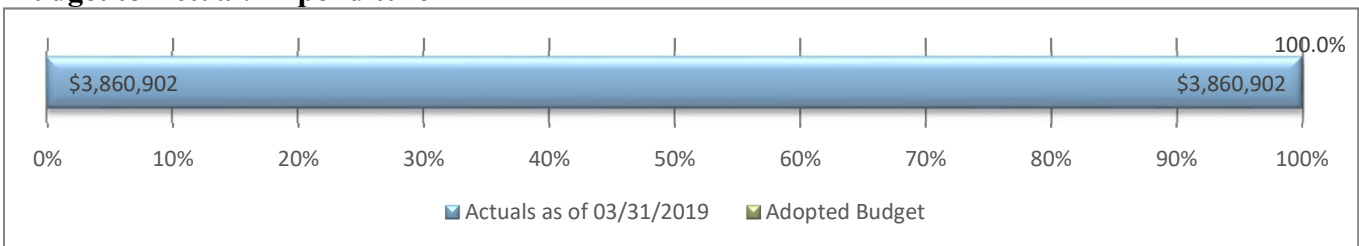
In FY 2019/20, the Environmental Information Document will be submitted to the Texas Water Development Board to obtain a Finding of No Significant Impact. Additionally, the Structural Assessment will be completed, procurement of a Design Builder will occur, and the design phase will begin.

**Spending Plan of Total Project Budget**

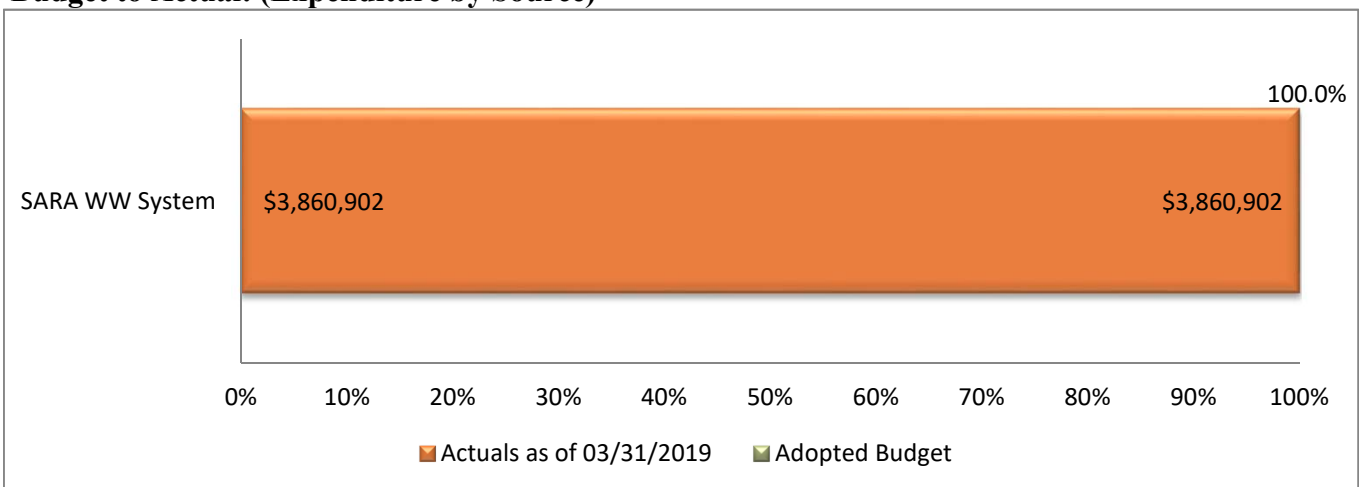
<b>Expenditures</b>	Actuals	April 1, 2019		Succeeding	
	as of	to		from	
	<u>March 31, 2019</u>	<u>June 2020</u>	<u>2020/21</u>	<u>2021</u>	<u>Total</u>
Personnel	\$ 2,983	\$ 63,530	\$ 83,042	\$ 85,948	\$ 235,503
Design	62,118	3,417,379	-	-	3,479,497
Construction	-	-	11,400,000	14,050,000	25,450,000
Total	<u>\$ 65,102</u>	<u>\$ 3,480,909</u>	<u>\$ 11,483,042</u>	<u>\$ 14,135,948</u>	<u>\$ 29,165,000</u>



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**



**Project Name:** SARA Wastewater Collection System **Project #** 0315  
**Inflow and Infiltration**

Managing Department: Utility

		Adopted Budget:	\$ 3,860,902
		SARA Contribution:	\$ -
Project Start Date:	5/4/2011	Unfunded Plan:	\$ -
Project Finish Date:	6/30/2021	Total Project:	\$ 3,860,902

The River Authority has an on-going commitment to improve inflow and infiltration (I&I) into the various collection systems owned and operated by the River Authority. This includes the San Antonio River Authority Wastewater System. Reducing I&I, which is water that enters into the collection system through leaks in the pipes and manholes, reduces flow into the treatment plants. The flow into the plant determines when additional plant capacity is required. Excess flow attributed to I&I also increases operating costs, can put more stress on the wastewater treatment plant, and can result in sanitary sewer overflows.

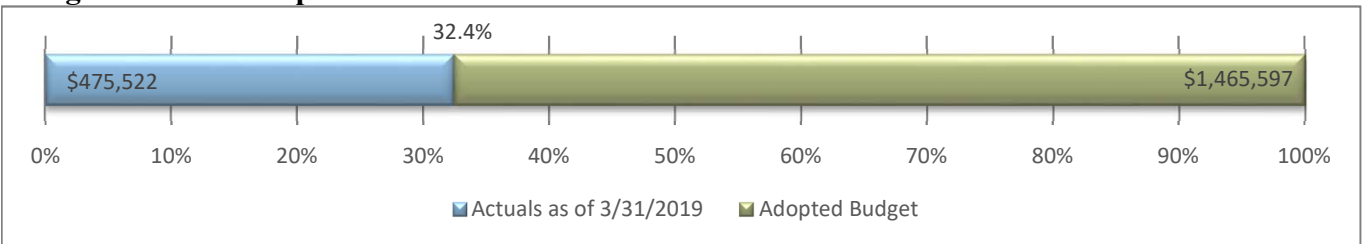
The I&I project repairs defective manholes and defective lines in the system according to a 1 to 5 rating system, with 5 being the worst condition. Repairs throughout the system are occurring over a ten year period.

In FY 2019/20, nothing is planned to be expended on this project to repair defective lines and manholes. Future operations and maintenance expenditures could be reduced as a result of repair and replacement of aging pipe infrastructure.

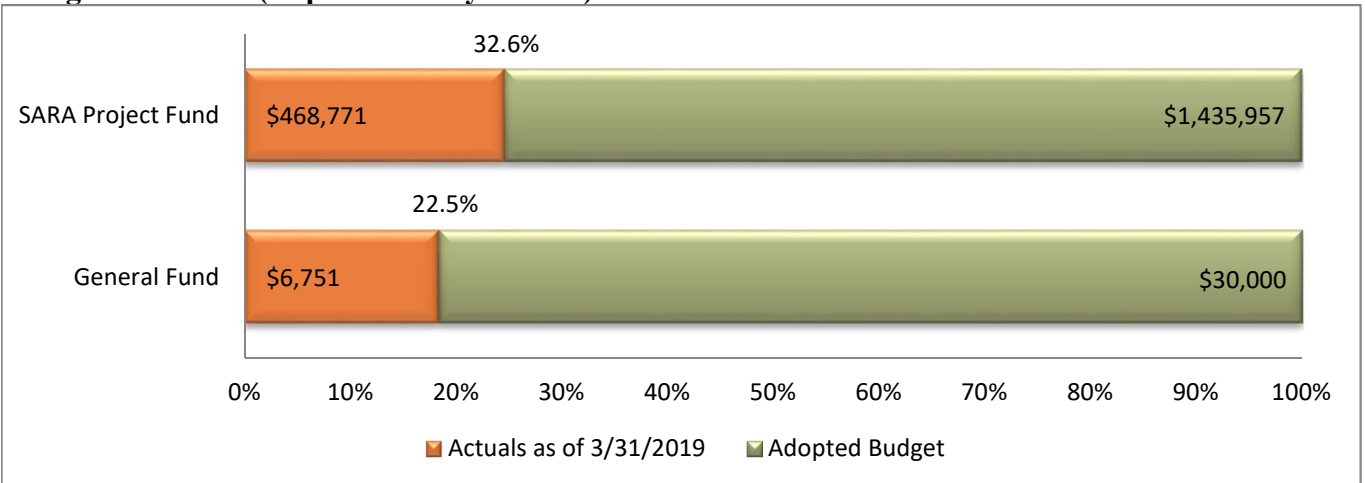
<b>Expenditures</b>	<b>Spending Plan of Total Project Budget</b>				<b>Total</b>
	<b>Actuals</b> as of <u>March 31, 2019</u>	<b>April 1, 2019</b> to <u>June 2020</u>	<b>2020/21</b>	<b>Succeeding</b> from <u>2021</u>	
Construction	\$ 3,860,902	\$ -	\$ -	\$ -	\$ 3,860,902
Total	\$ 3,860,902	\$ -	\$ -	\$ -	\$ 3,860,902



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**



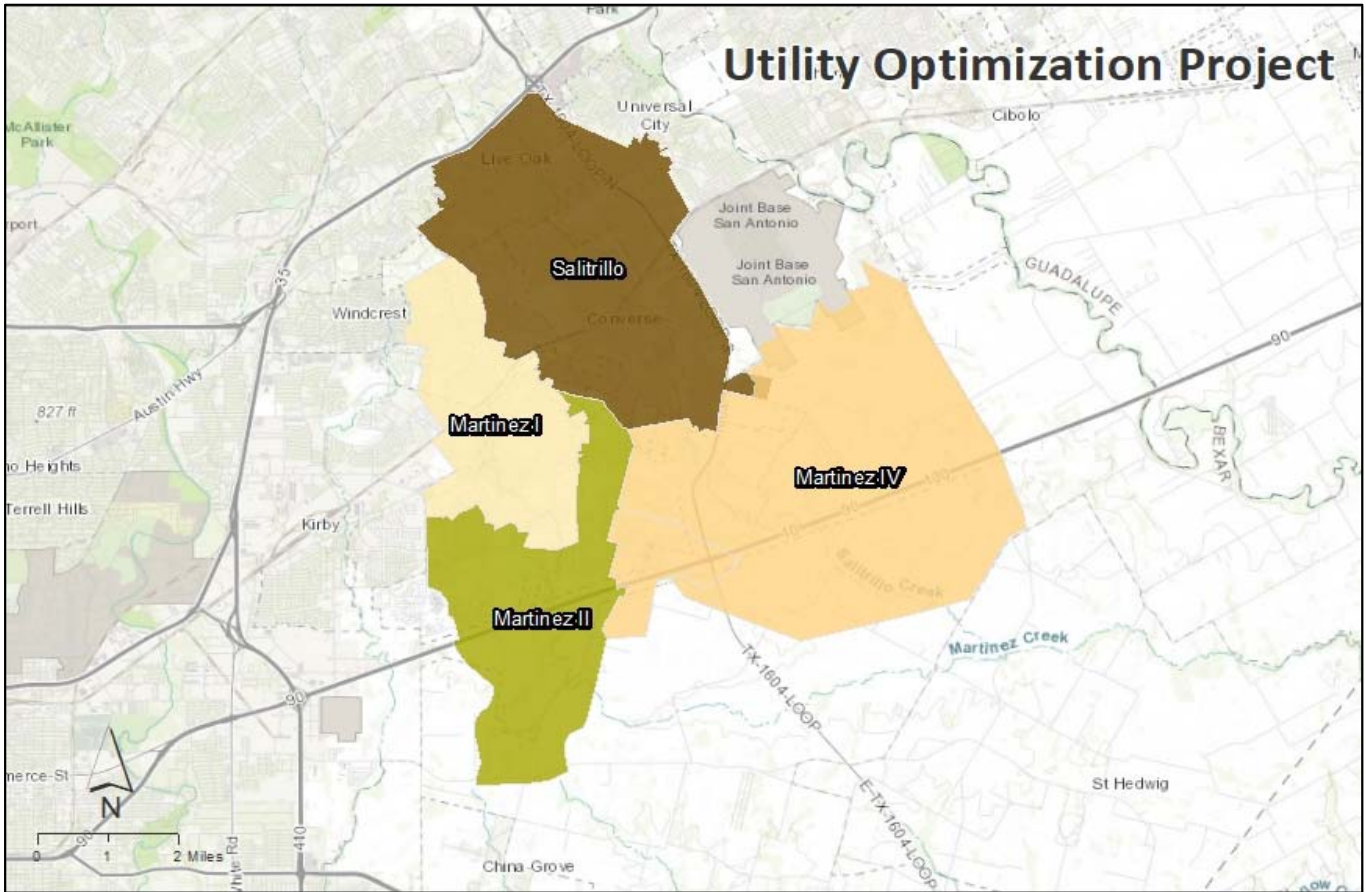
<b>Project Name:</b>	<b>San Pedro Creek Operations Center</b>	<b>Project #</b>	<b>0625</b>
Managing Department:	Watershed Engineering		
		Adopted Budget:	\$ 1,435,957
		SARA Contribution:	\$ 30,000
Project Start Date:	7/1/2017	Unfunded Plan:	\$ -
Project Finish Date:	12/31/2020	Total Project:	\$ 1,465,957

The future San Pedro Creek O&M Facility will allow Watershed and Park Operations (WPO) staff to more effectively and efficiently maintain San Pedro Creek Culture Park.

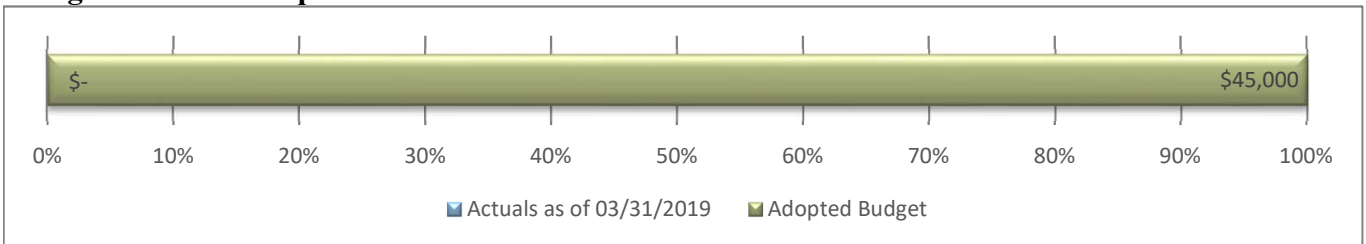
This project will provide a facility for WPO staff to maintain San Pedro Creek Culture Park. It will allow staff to quickly access all parts of San Pedro Creek Culture Park more effectively and provide space to work and store equipment and supplies.

The River Authority purchase land during FY 2017/18 to house San Pedro Creek operations staff and equipment. During FY 2019/20, staff will proceed with construction of a building to facilitate operations and maintenance functions for San Pedro Creek Culture Park. Operations and maintenance budget for the future facility are unknown at this time.

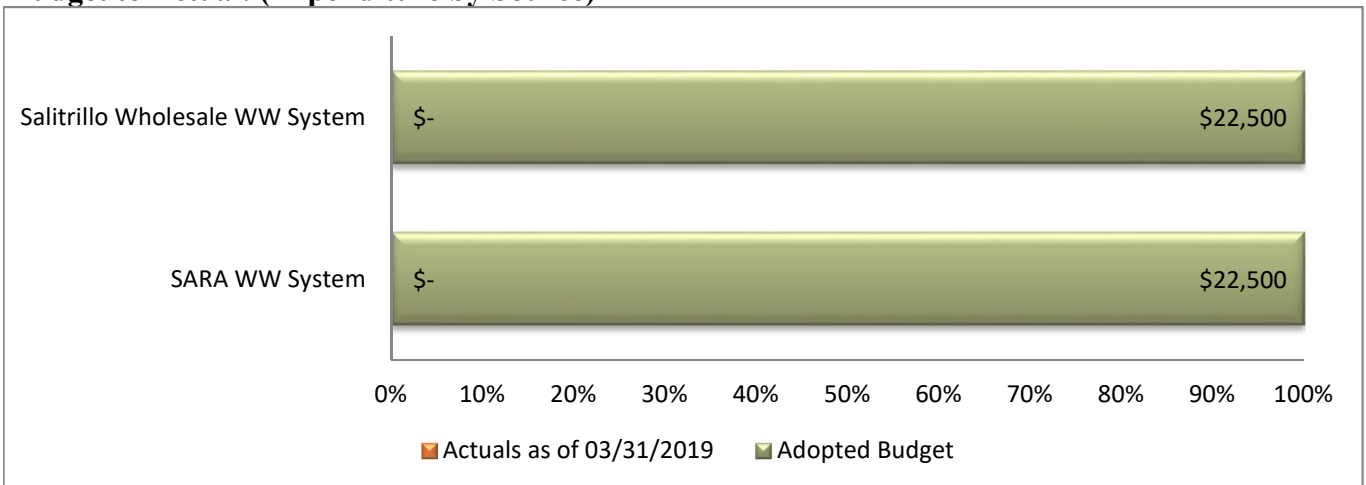
<b>Spending Plan of Total Project Budget</b>					
	Actuals as of	April 1, 2019 to	2020/21	Succeeding from	Total
<b>Expenditures</b>	<u>March 31, 2019</u>	<u>June 2020</u>	<u>2020/21</u>	<u>2021</u>	<u>Total</u>
Personnel	\$ 6,751	\$ 23,249	\$ -	\$ -	\$ 30,000
Right-of-Way Acquisitio	400,817	-	-	-	400,817
Construction	-	935,613	-	-	935,613
Contracted & Other Services	67,954	31,573	-	-	99,527
<b>Total</b>	<u>\$ 475,522</u>	<u>\$ 990,435</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 1,465,957</u>



**Budget to Actual: Expenditure**



**Budget to Actual: (Expenditure by Source)**





<b>Project Name:</b>	<b>Utility Optimization Plan</b>	<b>Project #</b>	<b>0628</b>
Managing Department:	Utility		
		Adopted Budget:	\$ 45,000
		SARA Contribution:	\$ -
Project Start Date:	7/1/2019	Unfunded Plan:	\$ -
Project Finish Date:	6/30/2022	Total Project:	\$ 45,000

This project will create a plan to optimize the capacities of River Authority owned treatment plants, utilize all available efficiencies and technologies and, maximize the operational and maintenance efforts.

Future efforts and sub-projects may result in reduced electric utilities, enhanced SCADA automation, the maximization of treatment capacities, and updated specifications for new collection system installations and repair projects.

In FY 2019/20, an information gathering workshop will develop the list of efforts, tasks, and sub-projects that will lead to future phases of the project. A plan will be developed from this initial workshop that will be used by staff to optimize utility functions. A list of tasks include, but is not limited to extended aeration capacity evaluations, Martinez II electrical studies, and geotechnical services to support soil evaluation for Inflow and Infiltration.

<b>Spending Plan of Total Project Budget</b>					
	Actuals as of	<u>April 1, 2019</u> to		Succeeding from	
<b>Expenditures</b>	<u>March 31, 2019</u>	<u>June 2020</u>	<u>2020/21</u>	<u>2021</u>	<u>Total</u>
Contracted & Other Services	\$ -	\$ 45,000	\$ -	\$ -	\$ 45,000
<b>Total</b>	<u>\$ -</u>	<u>\$ 45,000</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 45,000</u>



SAN ANTONIO  

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RIVER AUTHORITY

# Appendix



**Photo by Cruz Garcia III  
2019 River Clicks Photo Contest  
Recreation Category Winner**

# **Budget Order**

## **San Antonio River Authority Fiscal Year 2019/20 Budget**

### **For the period July 1, 2019 through June 30, 2020**

#### **Approval of the Fiscal Year (FY) 2019/20 Budget**

The Board of Directors of the San Antonio River Authority approves the FY 2019/20 Budget as submitted with the amendments included in the June 19, 2019 memorandum “Recommended Changes to the FY 2019/20 Budget” included here as Attachment 1.

#### **Authorized Positions and Salaries**

The positions listed in the FY 2019/20 Budget document under each department are the authorized positions. These lists include full time, part time positions and limited term employee positions but not temporary positions. Temporary positions are approved during the year at the General Manager’s discretion and depend on available budgeted funds. Changes to the total number of authorized positions – additions or deletions – must be approved by the Board of Directors; however, changes to position titles, reclassifications, reassignments and re-grades are approved by the General Manager. All new positions in the FY 2019/20 Budget are authorized effective July 1, 2019 unless specifically stipulated otherwise.

#### **General Fund, Utility Operating Funds, Special Revenue Funds, Debt Service Fund, and Insurance Fund (as listed in the designated sections of the FY 2019/20 Budget)**

The FY 2019/20 Budget, as adopted by the Board of Directors, controls expenditures by Fund and fiscal year for the types of Funds listed above. Some Special Revenue Funds are controlled by project and project life, not fiscal year, and are described below. The Board of Directors must approve any budget adjustment that increases the total appropriation in a Fund for all Funds listed above, including those controlled by project and project life. The Board of Directors must also approve any transfer from any reserve account for all Funds as well as allocation of budget to a project not approved in the FY 2019/20 Budget.

The Board of Directors has granted limited flexibility to River Authority staff to move budget appropriations within Funds to respond to changing project implementation schedules and expenditure levels. Through this process, funds can be moved between *approved* projects, programs and activities to ensure that limited annual funding resources continue to efficiently and effectively advance the initiatives of the River Authority. Under this authority, the General Manager must approve any transfer of funds between departments and/or approved projects within a Fund. The Director of Support Services has authority to approve transfers within a department budget and/or authorized projects that would move funds between the following categories.

- Personnel Expenditures
- Operating Expenditures
- Capital Expenditures
- Transfers
- Debt Service
- Contingency

Budget is allocated into individual line items in each department and those budget line item allocations are part of the FY 2019/20 Budget. Departments have flexibility in expensing these funds within each of the first five categories listed above but not allocations identified as contingency. As long as the total appropriation (including efforts) for the categories of expenses listed above (e.g. Personnel Expenditures, Operating Expenditures) is not exceeded, one or more line items within the category (e.g. health insurance) may exceed its budget allocation.

*SPECIAL REVENUE FUNDS' EXCEPTIONS:* In the Grants Fund, Park Resources Development Fund, and the San Antonio Capital Improvements Project Land Sales Fund, appropriations are controlled at the project level and project life, not by fiscal year. As the Board accepts grants, as donations are received from outside sources, and as projects are approved, those proceeds are appropriated and available to departments to expend for identified River Authority purposes and needs. Project funding can be moved from one approved project to another during the fiscal year at the General Manager or authorized designee's discretion. However, funding for a project not authorized by the Board of Directors in the FY 2019/20 Adopted Budget must be approved by the Board of Directors.

**Capital Project Funds including the San Antonio River Authority (SARA) Projects Fund (as listed in the designated section of the FY 2019/20 Budget document)**

Capital project and other project funds are controlled at the project level. Expenditures within the individual projects may span fiscal years. However, budgetary control is not exercised by fiscal year; it is by the total project cost and total project expenditures. Project funding can be moved from one approved project to another during the fiscal year at the General Manager or authorized designee's discretion. However, funding for a project not authorized by the Board of Directors in the FY 2019/20 Adopted Budget must be approved by the Board of Directors.



June 19, 2019

To: San Antonio River Authority Board of Directors  
From: Rick Trefzer  
RE: Recommended Changes to the FY 2019/20 Budget

The Fiscal Year (FY) 2019/20 Proposed Budget, as submitted to the Board of Directors on May 15, 2019, has been adjusted to reflect information received or identified since the original presentation. Staff recommends adopting the Proposed Budget including the changes described below.

1. General Fund

The FY 2019/20 Proposed Budget has been revised to include an increase in the transfer expenditure from the General Fund to the SARA Projects Fund of \$100,000. This increase supports the funding of the Lucity Implementation and Asset Management project. The revised Fund summary sheet for the General Fund is included below.

2. SARA Projects Fund

The FY 2019/20 Proposed Budget has been revised to include an increase in the transfer revenue from the General Fund to the SARA Projects Fund of \$100,000. This increase supports the funding of the Lucity Implementation and Asset Management project. The River Authority launched the beginning phases of the software application in 2018 that will better support the management of agency assets and facilitate a central work order system. The revised Fund summary sheet for the SARA Projects Fund is included below.

3. Bexar County Westside Creeks Restoration Projects Fund

The FY 2019/20 Proposed Budget has been revised to include an increase in the intergovernmental revenue of \$2,406,893 for FY 2019/20. This increase is a result of the revenue estimate for FY 2018/19 as of 3/31/19 being reduced from \$15,316,947 to \$12,910,054. The funding is an advance from Bexar County in support of the San Pedro Creek Culture Park project. The revised Fund summary

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GENERAL MANAGER

*Suzanne Scott*

sheet for the Bexar County Westside Creeks Restoration Projects Fund is included below.

4. *City of San Antonio Westside Creeks Restoration Projects Fund*

The FY 2019/20 Proposed Budget has been revised to include an appropriation of \$541,648 for the Westside Creeks – Linear Creekways and Elmendorf Lake Park Project. This increase includes \$26,874 in funding for the Elmendorf Lake Park Pool project, and \$514,774 for the Apache Creek Lighting project. This budget revision is supported by Amendment No. 9 of an agreement between the River Authority and the City of San Antonio. The revised Fund summary sheet for the City of San Antonio Westside Creeks Restoration Projects Fund is included below.

5. *Downstream Capital Improvement Projects Fund*

The FY 2019/20 Proposed Budget has been revised to include an appropriation of \$75,000 for the Escondido Creek Parkway project. Funding for this budget revision is provided through donations received by the San Antonio River Foundation and passed on to the River Authority in May 2019. The revised Fund summary sheet for the Downstream Capital Improvement Projects Fund is included below.

6. *Salitrillo Wastewater Operating Fund*

The FY 2019/20 Proposed Budget has been revised to include an appropriation of \$35,020 for capital outlay. The vehicle orders for FY 2018/19 have experience delays in delivery. The River Authority does not anticipate taking delivery of one vehicle prior to 6/30/19. The budget revision reduces the FY 2018/19 Estimate and increases the FY 2019/20 capital expenditure budget to cover the payment for the vehicle in FY20. The revised Fund summary sheet for the Salitrillo Wastewater Operating Fund is included below.

7. *SARA Wastewater Construction and Improvements Fund*

The FY 2019/20 Proposed Budget reflects an adjustment of \$88,099. This change is necessary to support the final change order for the Martinez IV Wastewater System and Phase IV Collection Line project. Funding has been provided through savings from the Martinez II Screw Pump Replacement project by a reallocation in the FY 2018/19 Amended Budget. The revised Fund summary sheet for the SARA Wastewater Construction and Improvements Fund is included below.

San Antonio River Authority  
 General Fund  
 Fiscal Year Ending June 30, 2020

Fund: 01

Available Funds	FY 2017/18 Actual	FY 2018/19 Amended Budget	FY 2018/19 Estimate	FY 2019/20 Budget
<b>Beginning Balance</b>				
Operating Reserve	\$ 10,301,213	\$ 10,175,883	\$ 11,098,568	\$ 11,116,603
Total Beginning Balance	\$ 10,301,213	\$ 10,175,883	\$ 11,098,568	\$ 11,116,603
<b>Revenue</b>				
Taxes, Penalties and Interest	\$ 27,323,379	\$ 31,701,532	\$ 31,461,345	\$ 33,361,485
Intergovernmental Revenue	537,491	557,690	434,913	325,000
Charges for Services	605,101	561,969	546,409	515,000
Miscellaneous	126,060	121,000	43,069	15,000
Support Fees	2,301,162	1,996,561	1,996,561	1,939,977
Investment Income	286,576	225,000	386,935	350,000
Reimbursements	-	-	-	-
Operating Transfers	78,131	-	-	-
Total Revenue	\$ 31,257,900	\$ 35,163,752	\$ 34,869,232	\$ 36,506,462
<b>TOTAL AVAILABLE FUNDS</b>	<b>\$ 41,559,113</b>	<b>\$ 45,339,635</b>	<b>\$ 45,967,801</b>	<b>\$ 47,623,065</b>
<b>APPROPRIATIONS</b>				
Personnel Expenditures	\$ 17,383,456	\$ 19,277,912	\$ 18,485,355	\$ 19,934,648
Operating Expenditures	9,919,358	13,007,253	11,067,935	13,250,386
Capital Expenditures	1,051,003	1,023,521	862,467	895,302
Transfers	-	-	-	-
Insurance, Debt Service and Grants	596,184	599,557	599,557	592,974
Project Fund - Projects	3,145,832	4,953,705	4,955,883	5,249,160
Project Fund - Unrestricted Reserve	-	-	-	280,000
Reimbursements	(1,635,288)	(1,120,000)	(1,120,000)	(1,152,495)
<b>TOTAL OPERATING APPROPRIATIONS</b>	<b>\$ 30,460,545</b>	<b>\$ 37,741,948</b>	<b>\$ 34,851,198</b>	<b>\$ 39,049,975</b>
Operating Reserve	\$ 11,098,568	\$ 7,597,687	\$ 11,116,603	\$ 8,573,091
<b>TOTAL APPROPRIATIONS</b>	<b>\$ 41,559,113</b>	<b>\$ 45,339,635</b>	<b>\$ 45,967,801</b>	<b>\$ 47,623,065</b>



San Antonio River Authority  
**SARA Projects Fund**  
 Fiscal Year Ending June 30, 2020

Fund: 04

APPROPRIATIONS	FY 2017/18 Actual	FY 2018/19 Amended Budget	FY 2018/19 Activity As of 03/31/2019	Remaining Available Funds
<b>Beginning Balance</b>				
Unrestricted Balance (Board Reserve)	\$ 5,002,082	\$ 4,802,082	\$ 5,002,082	\$ 3,512,377
Reserve for Projects	4,768,893	6,938,848	5,272,357	10,588,738
<b>Total Beginning Balance</b>	<b>\$ 9,770,975</b>	<b>\$ 11,740,930</b>	<b>\$ 10,274,439</b>	<b>\$ 14,101,115</b>
<b>Revenue</b>				
Intergovernmental Revenue	\$ -	\$ -	\$ -	\$ -
Investment Income	-	-	-	-
Transfers - General Fund	3,145,832	4,953,705	4,953,705	5,529,160
Transfers - COSA CIP Fund	200,000	200,000	-	-
Intergovernmental Revenue	-	-	-	-
Debt Proceeds	-	-	-	-
<b>TOTAL AVAILABLE FUNDS</b>	<b>\$ 13,116,807</b>	<b>\$ 16,894,635</b>	<b>\$ 15,228,144</b>	<b>\$ 19,630,275</b>

**APPROPRIATIONS**

<i>Projects</i>				
<b>Active Ongoing</b>				
Basin Assessment Mapping and Analysis Tool	\$ 69,722	\$ 88,500	\$ 10,670	\$ 8,108
BRWM Stream Mitigation Bank	22,287	117,672	37,105	75,857
Clean Rivers Program 2017/SARA Stream Monitoring	22,736	13,124	-	5,264
Cooperating Technical Partners (CTP) Development	41,077	60,190	17,039	2,074
CoSA Bond LID Match	-	-	-	335,000
Digital Data and Model Repository Redevelopment	-	175,000	58,091	116,909
Edwards Aquifer Watershed Protection	1,087	12,000	-	13,001
Escondido Creek Parkway	20,076	3,019,090	13,176	3,004,529
Facilities Acquisition/Improvements Project	194,294	1,747,594	70,424	1,099,325
Feral Hog Management	75,141	8,222	-	8,221
Floodplain Remapping (2018)	-	2,200,388	31,992	3,168,397
Freshwater Mussel Propagation	-	82,655	-	173,453
H&H Study - Borrego to Medio	-	50,000	-	50,000
Impervious Cover Mitigation	10,909	710,713	125,271	721,880
Inflow Scenarios for San Antonio Bay Modeling (2018)	-	125,000	7,731	117,269
John Helton SA River Nature Park	105,077	123,484	77,303	20,000
Laboratory Management Software Replacement	65,275	158,175	-	145,017
Mission Reach Avian Study	53,800	71,352	27,000	24,072
Mission Reach Erosion Repairs	72,998	549,603	82,318	437,346
Nature Park Signage Development	349	15,001	-	-
Network File/Folder Re-Structure	-	-	-	-
Predictive Flood Modeling	-	500,000	-	1,850,000
River Road Stream Restoration	43,529	335,802	111,000	420,490
Site-Scale Model Development	-	84,538	-	335,462
Trash and Floatables Mitigation	12,600	47,695	-	47,695
Trash and Floatables Mitigation - Olmos Creek	-	141,740	26,576	345,164
Tributary Modeling	190,023	358,564	86,116	159,854
Water Quality Data Analytics	15,350	5,201	-	5,201
Watershed Master Plans Integration	19,580	127,890	7,545	112,875
Watershed Wise River Discovery	15,818	186,681	5,842	158,340
Watershed Wise Rebate Program	347,302	1,416,586	179,106	1,508,288
Watershed Wise School Grant	50,174	16,252	-	5,252
Westside Creeks - Linear Creek Trails and Elmendorf Park	29,308	59,024	4,006	41,686
Westside Creeks - San Pedro Creek	-	-	-	-

San Antonio River Authority  
SARA Projects Fund  
Fiscal Year Ending June 30, 2020

Fund: 04

	FY 2017/18 Actual	FY 2018/19 Amended Budget	FY 2018/19 Activity As of 03/31/2019	Remaining Available Funds
<b>APPROPRIATIONS</b>				
<b>New Authorized Projects</b>				
Espada Park	-	-	-	150,000
Kenedy Operations Center	-	-	-	65,340
Lucity Implementation and Asset Management	-	-	-	100,000
San Pedro Creek Operations Center	439,840	-	28,931	966,826
<b>Closed Projects</b>				
Automated Stormwater Project	-	(2,280)	-	-
Bacterial Source Tracking	-	-	-	-
Bexar County LiDAR Collection	35,321	35,371	-	-
Cibolo Creek Watershed Master Plan	283,431	305,305	41,709	-
Clean Rivers Program 2015 Grant	20,000	-	-	-
Dam Operations Center	-	33	-	-
Downstream Flood Inundation Library	81,926	4,371	-	-
Environmental Monitoring	911	-	-	-
FloodWorks Website Enhancement	10,700	-	-	-
Graytown Park (Previously County Road (CR) 125)	21,127	5,597	-	-
Guenther/Euclid Stormwater Retrofit	7,559	17,199	6,275	-
Holistic Freshwater Mussels	1,675	-	-	-
ICM System Pilot	-	-	-	-
Mann's Crossing Park on the Medina River	-	-	-	-
Museum Reach Electrical Infrastructure Upgrade	-	-	-	-
Olmos Creek Aquatic Ecosystem Restoration	-	-	-	-
Resource Conservation Partnership Program	99,911	136,993	37,495	-
San Antonio Bay EDYS Model Development	133,312	133,342	-	-
Stormwater Training and Tools	31,291	24,710	18,831	-
Trueheart Park	43,442	31,558	1,728	-
Urban Reach E coli Monitoring	-	-	-	-
Urban Reach Operations Center	42,522	15,500	-	-
USGS Baseline Study of Oil and Gas Production Constituents Phase II Project	49,900	41,250	13,750	-
USGS Huisache Brush Management	-	-	-	-
USGS LSAR Groundwater/Surface Water Modeling	6,000	-	-	-
USGS Westside Creeks Sediment Study	-	204	-	-
UTSA Sediment Source Mobility	54,988	-	-	-
<b>Transfer</b>	-	-	-	-
<b>Unassigned Funds</b>	-	-	-	39,343
<b>Total Project Expenditures</b>	<b>\$ 2,842,368</b>	<b>\$ 13,356,889</b>	<b>\$ 1,127,029</b>	<b>\$ 15,837,538</b>
Unrestricted Balance (Board Reserve)	5,002,082	3,512,377	3,512,377	3,792,737
Reserved for Projects	5,272,357	25,369	10,588,738	-
<b>TOTAL APPROPRIATIONS</b>	<b>\$ 13,116,807</b>	<b>\$ 16,894,635</b>	<b>\$ 15,228,144</b>	<b>\$ 19,630,275</b>

San Antonio River Authority  
 Bexar County Westside Creeks Restoration Projects Fund  
 Fiscal Year Ending June 30, 2020

Fund: 54

APPROPRIATIONS	FY 2017/18 Actual	FY 2018/19 Amended Budget	FY 2018/19 Activity As of 03/31/2019	Remaining Available Funds
<b>Beginning Balance</b>				
Undesignated Funds	\$ 8,791	\$ 28,266	\$ 42,815	\$ 109,370
<i>Total Beginning Balance</i>	\$ 8,791	\$ 28,266	\$ 42,815	\$ 109,370
<b>Revenue</b>				
Investment Income	\$ 30,382	\$ 15,000	\$ 66,555	\$ 30,000
Intergovernmental Revenue	46,242,626	71,446,200	12,910,054	50,328,394
Transfers	-	-	-	-
<i>Total Revenues</i>	46,273,008	71,461,200	12,976,609	50,358,394
<b>TOTAL AVAILABLE FUNDS</b>	<b>\$ 46,281,799</b>	<b>\$ 71,489,466</b>	<b>\$ 13,019,424</b>	<b>\$ 50,467,764</b>
<b>APPROPRIATIONS</b>				
<i>Projects</i>				
Westside Creeks - Elmendorf Lake Park	\$ 14,407	\$ -	\$ -	\$ -
Westside Creeks - San Pedro Creek	46,224,577	71,489,466	12,910,054	50,467,764
<b>Total Project Expenditures</b>	<b>\$ 46,238,984</b>	<b>\$ 71,489,466</b>	<b>\$ 12,910,054</b>	<b>\$ 50,467,764</b>
Reserved for Projects	42,815	-	109,370	-
<b>TOTAL APPROPRIATIONS</b>	<b>\$ 46,281,799</b>	<b>\$ 71,489,466</b>	<b>\$ 13,019,424</b>	<b>\$ 50,467,764</b>

San Antonio River Authority  
 City of San Antonio Westside Creeks Restoration Project Fund  
 Fiscal Year Ending June 30, 2020

Fund: 61

APPROPRIATIONS	FY 2017/18 Actual	FY 2018/19 Amended Budget	FY 2018/19 Activity As of 03/31/2019	Remaining Available Funds
<b>Beginning Balance</b>				
Undesignated Funds	\$ 8,646	\$ 810,873	\$ 10,874	\$ 133,163
<i>Total Beginning Balance</i>	\$ 8,646	\$ 810,873	\$ 10,874	\$ 133,163
<b>Revenue</b>				
Investment Income	\$ 1,457	\$ -	\$ -	\$ -
Intergovernmental Revenue	3,945,918	39,142,743	10,143,827	28,233,234
Transfers	-	-	-	-
<i>Total Revenues</i>	3,947,375	39,142,743	10,143,827	28,233,234
<b>TOTAL AVAILABLE FUNDS</b>	<b>\$ 3,956,021</b>	<b>\$ 39,953,616</b>	<b>\$ 10,154,701</b>	<b>\$ 28,366,397</b>
<b>APPROPRIATIONS</b>				
<i>Projects</i>				
Westside Creeks - Linear Creekways and Elmendorf Lake Park	\$ 3,552,897	\$ 17,305,866	\$ 2,235,411	\$ 13,894,774
Westside Creeks - San Pedro Creek	392,250	22,647,750	7,786,127	14,471,623
<b>Total Project Expenditures</b>	<b>\$ 3,945,147</b>	<b>\$ 39,953,616</b>	<b>\$ 10,021,538</b>	<b>\$ 28,366,397</b>
Reserved for Projects	10,874	-	133,163	-
<b>TOTAL APPROPRIATIONS</b>	<b>\$ 3,956,021</b>	<b>\$ 39,953,616</b>	<b>\$ 10,154,701</b>	<b>\$ 28,366,397</b>

San Antonio River Authority  
Downstream Capital Improvement Projects Fund  
Fiscal Year Ending June 30, 2020

Fund: 58

APPROPRIATIONS	FY 2017/18 Actual	FY 2018/19 Amended Budget	FY 2018/19 Activity As of 03/31/2019	Remaining Available Funds
<b>Beginning Balance</b>				
Undesignated Funds	\$ 92	\$ 752,766	\$ 1,192,202	\$ 1,843,034
<i>Total Beginning Balance</i>	\$ 92	\$ 752,766	\$ 1,192,202	\$ 1,843,034
<b>Revenue</b>				
Investment Income	\$ 4,080	\$ 2,000	\$ 12,597	\$ 5,000
Intergovernmental Revenue	1,575,992	1,769,428	1,046,000	415,000
Transfers	-	-	-	-
<i>Total Revenue</i>	1,580,072	1,771,428	1,058,597	420,000
<b>TOTAL AVAILABLE FUNDS</b>	<b>\$ 1,580,164</b>	<b>\$ 2,524,194</b>	<b>\$ 2,250,799</b>	<b>\$ 2,263,034</b>
<b>APPROPRIATIONS</b>				
<i>Projects</i>				
Escondido Creek Parkway	\$ 387,962	\$ 2,522,194	\$ 407,765	\$ 2,263,034
<b>Total Project Expenditures</b>	<b>\$ 387,962</b>	<b>\$ 2,522,194</b>	<b>\$ 407,765</b>	<b>\$ 2,263,034</b>
Reserved for Projects	1,192,202	2,000	1,843,034	-
<b>TOTAL APPROPRIATIONS</b>	<b>\$ 1,580,164</b>	<b>\$ 2,524,194</b>	<b>\$ 2,250,799</b>	<b>\$ 2,263,034</b>

San Antonio River Authority  
 Salitrillo Operating Fund  
 Fiscal Year Ending June 30, 2020

Fund: 71

Available Funds	FY 2017/18 Actual	FY 2018/19 Amended Budget	FY 2018/19 Estimate	FY 2019/20 Budget
<b>Beginning Balance</b>				
Unrestricted Balance	\$ 1,007,463	\$ 1,259,150	\$ 1,259,639	\$ 1,499,696
Total Beginning Balance	\$ 1,007,463	\$ 1,259,150	\$ 1,259,639	\$ 1,499,696
<b>Revenue</b>				
Investment Earnings	\$ 12,680	\$ 10,000	\$ 17,420	\$ 15,000
Intergovernmental Revenue	556,762	563,180	563,180	566,552
Charges for Services	3,872,549	4,526,115	4,524,209	5,271,116
Total Revenue	\$ 4,441,991	\$ 5,099,295	\$ 5,104,808	\$ 5,852,668
<b>TOTAL AVAILABLE FUNDS</b>	<b>\$ 5,449,454</b>	<b>\$ 6,358,445</b>	<b>\$ 6,364,447</b>	<b>\$ 7,352,364</b>
<b>APPROPRIATIONS</b>				
Personnel Expenditures	\$ 1,236,685	\$ 1,235,039	\$ 1,089,542	\$ 1,256,057
Operating Expenditures	1,260,626	1,113,983	1,025,088	962,501
Capital Outlay	431,290	295,400	109,762	359,520
Transfers - Construction and Improvements	-	1,700,000	1,700,000	2,500,000
Transfers - Support Fees	813,745	483,088	483,088	614,354
Debt Service - Reuse and First Responders	450,608	457,272	457,272	460,644
Reimbursements	(3,139)	-	-	-
<b>TOTAL OPERATING APPROPRIATIONS</b>	<b>\$ 4,189,815</b>	<b>\$ 5,284,782</b>	<b>\$ 4,864,751</b>	<b>\$ 6,153,076</b>
Debt Service Reserve - Reuse and First Responders	189,195	227,000	227,000	227,000
Operating Reserve	1,070,444	617,859	1,067,696	556,288
Repair and Replacement Reserve	-	228,804	205,000	416,000
<b>TOTAL APPROPRIATIONS</b>	<b>\$ 5,449,454</b>	<b>\$ 6,358,445</b>	<b>\$ 6,364,447</b>	<b>\$ 7,352,364</b>

**San Antonio River Authority**  
**SARA Wastewater Systems Construction and Improvements Fund**  
**Fiscal Year Ending June 30, 2020**

**Fund: 80**

<b>APPROPRIATIONS</b>	<b>FY 2017/18 Actual</b>	<b>FY 2018/19 Amended Budget</b>	<b>FY 2018/19 Activity As of 03/31/2019</b>	<b>Remaining Available Funds</b>
<b>Beginning Balance</b>				
Impact Fee Reserve	\$ -	\$ -	\$ -	\$ -
Connection Fee Reserve	2,039,097	2,707,772	3,228,658	2,707,772
Reserve for Projects	2,183,066	12,203,368	11,132,020	11,232,127
<i>Total Beginning Balance</i>	\$ 4,222,163	\$ 14,911,140	\$ 14,360,678	\$ 13,939,899
<b>Revenue</b>				
Intergovernmental Revenue	\$ 714,971	\$ -	\$ 75,756	\$ -
Proceeds from Debt Issuance	9,500,000	-	-	-
Other Contributions	250,000	-	39,133	-
Transfers	2,300,000	3,250,000	3,250,000	2,900,000
Investment Income	81,206	25,000	146,162	150,000
Sale of Fixed Assets/Other Contributions	2,946,484	-	162,500	-
Impact Fees	-	-	-	-
Connection Fees	4,143,925	2,645,000	2,045,950	2,645,000
<i>Total Revenues</i>	19,936,586	5,920,000	5,719,501	5,695,000
<b>TOTAL AVAILABLE FUNDS</b>	<b>\$ 24,158,749</b>	<b>\$ 20,831,140</b>	<b>\$ 20,080,179</b>	<b>\$ 19,634,899</b>

**APPROPRIATIONS**

Projects

IH10 Sewer Line Relocation	\$ 337,121	\$ -	\$ -	\$ -
Martinez III Decommission	-	-	-	100,000
Martinez IV Collection System CIP	-	505,000	188,746	316,254
Martinez IV Collection System CIP - Project 4	-	-	-	2,400,000
Martinez IV Solar	-	300,000	170,600	129,400
Martinez IV Wastewater System and Phase IV Collection Line	6,281,189	7,201,466	3,106,588	406,300
Martinez IV Wastewater Treatment Plant Expansion	-	-	-	500,000
Salitrillo and Martinez Sewershed Models	142,469	529,446	100,561	723,008
SARA WWTP - Inflow and Infiltration	-	940,631	940,630	-
Screw Pump Replacement - Martinez II Subsurface	148,259	1,143,735	968,347	-
Utility Exploration & Utility Mapping	28,673	104,120	37,558	-
Utility SCADA System	168,202	-	-	-
Utility Optimization Plan	-	-	-	22,500
WWTP Roadwork Improvements	135,688	-	-	-
Connection Fee Expenditures	2,556,470	2,000,000	627,250	2,000,000
<b>Total Project Expenditures</b>	<b>\$ 9,798,071</b>	<b>\$ 12,724,398</b>	<b>\$ 6,140,280</b>	<b>\$ 6,597,462</b>
Impact Fee Reserve	-	-	-	-
Connection Fee Reserve	3,228,658	1,845,003	2,707,772	1,845,003
Reserved for Projects	11,132,020	6,261,739	11,232,127	11,192,433
<b>TOTAL APPROPRIATIONS</b>	<b>\$ 24,158,749</b>	<b>\$ 20,831,140</b>	<b>\$ 20,080,179</b>	<b>\$ 19,634,899</b>



May 6, 2019

To the San Antonio River Authority Board of Directors:

The San Antonio River Authority’s FY 2019/20 Proposed Budget and Work Plan is presented for your consideration. The Proposed Budget continues to support the mission, goals and objectives of the San Antonio River Authority’s (River Authority) approved Strategic Plan. Projects and departmental operating activities included in the work plan for FY 2019/20 provide services to the citizens and stakeholders throughout the district.

Staff began the budget development process with strategic planning sessions that built upon our current Strategic Plan and continue to work at bringing a stronger connection between our actions, including projects and operational activities, and our Strategic Plan. The overall plan’s vision, mission and goals remain unchanged for FY 2019/20. Staff focused primarily on validating the objectives and building upon the actions that produce results toward executing the plan. Additionally, updates to our agency strategic opportunities were made to identify areas for us to actively monitor that may result in future initiatives which align with expanding or enhancing our mission.

The Strategic Plan summary and annual action plan developed to meet agency goals and strategic opportunities are detailed within the objectives in the Strategic Plan summary and provided in the Budget Overview section. Progress toward the objectives is tracked quarterly and reported to the various Board of Directors (Board) committees. The vision and mission of the River Authority are included directly below.

Vision Statement

Inspiring Actions for Healthy Creeks and Rivers

Mission Statement

Committed to Safe, Clean, Enjoyable Creeks and Rivers

EXECUTIVE COMMITTEE



CHAIRMAN

*Darrell T. Brownlow, Ph.D.*

VICE CHAIRMAN

*Michael W. Lackey, P.E.*

SECRETARY

*Lourdes Galvan*

TREASURER

*Jim Campbell*

MEMBERS AT-LARGE

*Gaylon J. Oehlke*

*James Fuller, M.D.*



BOARD OF DIRECTORS

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GENERAL MANAGER

*Suzanne Scott*



## **Priorities and Key Initiatives**

The River Authority continues to work towards establishing and building upon public and private partnerships to leverage its resources for the benefit of the district. This Proposed Budget demonstrates several instances of using external funding sources to advance projects and the existing levels of service. A prime example of this is demonstrated by the continued service in a project manager role for several major capital improvement projects, to include San Pedro Creek Culture Park and Escondido Creek Parkway. Efforts such as these highlight the River Authority's ability to coordinate and execute across multiple community partners.

The utility enterprise has a variety of new initiatives within this proposed budget. Significant items include, but are not limited to, anticipated funding for the expansion of the Salitrillo Wastewater Plant, increased coordination and collaboration with developers within our service areas, the acceleration of federal funding in support of our Replacement and Renewal projects on Randolph Air Force Base, and the first full year of operations at the Martinez IV Wastewater Plant. Additionally, utility staff will be working to execute opportunities that optimize management and operation of the wastewater systems through the information provided within the recently completed utility business development plan. FY 2019/20 will be a very active year as we aim to increase and improve our service delivery.

Included in the FY 2019/20 Proposed Budget are resources that support moving forward with recommendations which provide funding to initiate a multiple year effort to complete the improvement, acquisition and development of strategic properties for the River Authority. These investments come after a comprehensive evaluation of space needs and opportunities to improve operational efficiencies for the organization. To begin addressing long term facility needs the proposed budget has initial funding for the planning and phased implementation of necessary improvements at the Guenther headquarter facility and acquisition of an administration building. Additionally, the River Authority is anticipating the opening of the Escondido Creek Parkway Park and continues to explore new partnerships that leverage our role and ability to maintain public parks which seek to improve quality of life and provide recreation opportunities. Other important activities supported through this proposed budget include: increasing community involvement and commitment to River Authority parks; laboratory services; watershed modeling, master planning, and prediction of watershed behavior; operation and maintenance of forty-one flood control dams; wastewater collection and treatment; scientific and spatial data collection and analysis, to include Geographic Information System (GIS); making our

information and data accessible and useful to our partners and citizens. These contributions to the communities and watersheds drive the annual work plan and budgeted resources.

FY 2019/20 is the second year for several key initiatives that were launched in the FY 2018/19 Adopted Budget. Past events such as Hurricane Harvey and other community initiatives significantly informed the FY 2018/19 Adopted Budget. This led to a multi-year commitment to improve our capabilities specifically in the areas of floodplain mapping, predicting flooding, low impact development (LID), water quality modeling, and recreation. The continuation of funding for these projects was a top priority as the proposed budget was developed.

The challenge continues to be balancing current and future funding needs as decisions are made in support of the vision and mission of the River Authority. The River Authority has built the FY 2019/20 Proposed Budget based on a tax rate of \$1.858 per \$100 of property valuation. This rate is unchanged from the existing rate and falls below the rollback rate even as property values continue to grow across the district. The River Authority's property tax rate is capped at two cents per \$100 valuation. The River Authority is closely monitoring legislative initiatives to reduce the property tax rollback rate from eight percent that could impact future service delivery and/or other opportunities.

## **Budget Overview**

The FY 2019/20 Proposed Budget for the River Authority contain total appropriations of \$256,445,419 across all funds. This includes expenditure appropriations as well as all projected reserve balances. This represents an increase from the FY 2018/19 Adopted Budget mainly due to another sharp increase in funding associated with capital improvement projects, such as the Salitrillo Wastewater Treatment Plant expansion and San Pedro Creek Culture Park. Revenues supporting this appropriation are primarily generated through a flat property tax rate, increases in charges for service within the utility enterprise, anticipated bond issuance(s), and partner funding arrangements.

The FY 2019/20 appropriation total of \$256,445,419 includes reserves of \$40,414,892 that meet our fund balance policy targets. Expenditures across all funds total \$216,030,526. This includes \$38,949,975 in the General Fund, \$145,787,215 for Capital Improvement Funds (all expenditure categories), \$3,550,811 for the Debt Service Fund (additional funds possess debt service payments), and \$27,742,525 for all other expenditures. Revenues for FY 2019/20 are \$193,176,177 when all funds are included. Of this amount, \$36,506,462 are General Fund revenues. Other major revenue sources include utility charges for

services of \$15,195,639, grant funding of \$5,884,566, and other intergovernmental revenue of \$98,448,348, which primarily is provided from River Authority partners for projects accounted for in Capital Improvement Funds. The remaining revenue sources amount to \$37,141,162 across various categories and funds.

## **General Fund**

Property value changes are projected to vary by county with three counties showing an increase in value: Bexar County 2019 values have been estimated by the Bexar Appraisal District to increase by over 9 percent. The Proposed Budget includes increase values of 6.5 percent for Bexar County as protests can affect the final certified values. Goliad County represents the highest increase for 2019 at an estimated 15 percent increase in preliminary values, and Karnes County represents an estimated 3.7 percent increase in values, while Wilson County is again reporting a slight decrease in preliminary values. All of the preceding information is based on preliminary information provided by the appraisal district for that county as of April 30, 2019.

Revenues for the General Fund for FY 2019/20 are projected to increase by approximately 6 percent to \$34,506,462. This is a result of an estimated increase in property tax (Taxes, Penalties and Interest) of 7 percent, to \$33,361,485 - 91 percent of the total. The other major sources that make up the projected revenues are support fees and charges for service at \$1,939,977 and \$515,000 respectively. Support fees are generated by the utility enterprise in exchange for services provided by General Fund staff (human resources, finance, facilities, Intergovernmental and Community Relations, etc.), while charges for services is produced by fees for services through our accredited laboratory and water sales.

The General Fund appropriations support personnel expenses, operations expenses, such as supplies and contractual services; and capital outlay for equipment purchases and other major improvements. The proposed budget represents a 3 percent increase in expenses as compared to the previous adopted budget. Four new positions and two Limited Term Employees are requested as new resources in the proposed budget. These positions are described within the New Resources document located in the Budget Overview section. Personnel related costs are a major component of the River Authority's General Fund operating budget. In the General Fund, staff related expenditures (salary and benefits) represent 58 percent of the total operating budget. Of the proposed expenditure budget, \$5,149,160 of General Fund revenue is appropriated through a transfer to support the SARA Project Fund which accounts for 38 authorized projects, 35 of which began prior to FY 2019/20 and are carried forward into next fiscal year.

## **Projects**

The River Authority has 61 active projects across the General Fund, Park Resources Development Fund, Grants Fund, utility enterprise funds and other capital project funds, in the FY 2019/20 budget. The projects are coordinated across four Strategic Plan Goals managed by assigned Goal Leaders. Goal Leaders develop annual objectives, report progress and are accountable to the executive staff for achieving programmatic results.

For FY 2019/20, 38 projects are proposed within The SARA Project Fund. The total additional funding for these projects in FY 2019/20 is \$5,149,160, representing a slight increase from the previous adopted budget. Each of these projects helps further the River Authority's mission and supports the Strategic Plan included within the index section of the budget document. The projects' activities are focused regionally, expand the River Authority's expertise, promote appreciation of the river, and advance sustainability and environmental stewardship. These projects are available for review on the project list provided in the Project Section.

## **Utility Operating Funds**

The River Authority wastewater utility systems work to provide high quality services – protecting the water quality of the San Antonio River and its tributaries – while managing rates. This challenge grows as the infrastructure in the system ages. During the FY 2019/20 budget process, staff spent time further developing the ten year capital improvement plan for the utility and implementing strategies aimed at ensuring that funding is available to support the renewal and replacement of our wastewater treatment plants while being very conscious of the change in rates charged to customers for services.

### SARA Wastewater System

The San Antonio River Authority (SARA) Wastewater System Operating Fund's expenditures for FY 2019/20 total \$10,984,216, a decrease as compared to the FY 2018/19 Amended Budget. The revenues for the fund are \$10,629,973 for FY 2019/20, an increase of \$356,000 or 3 percent in comparison to the FY 2018/19 Amended Budget.

The proposed rates aim to provide sufficient funds to pay increased debt expense and fairly flat operating expenses. In addition, a transfer into the SARA Wastewater System Construction and Improvements Fund of \$2,900,000 is budgeted to help fund current and future capital improvement projects identified in the ten year capital improvement plan.

No new staffing is proposed for the utility systems. New and replacement equipment and other new resources are funded in the SARA Wastewater System at a total cost of \$259,900, a reduction from the prior year.

Rates for the SARA Wastewater System are proposed to increase, with a net impact to the residential customer of 2.2 percent, based on the proposed change in rate and applying the new system winter average to FY 2019/20 rates. The revenue is sufficient to cover all operating costs of the system.

### Salitrillo Wastewater System

For FY 2019/20, the Salitrillo Operating Fund's expenditures total \$6,118,056, an increase of \$833,274 or 16 percent in comparison to the FY 2018/19 Amended Budget. Increased expenditures are solely a result of budgeting a transfer of \$2,500,000 to the Salitrillo Wastewater System Construction and Improvements Fund for current and future capital projects. This has been a multiple year strategy to anticipate major capital improvement expenses on the horizon. In this next fiscal year, staff is expected to advance activities related to the wastewater plant expansion. Given current flows to the Salitrillo plant and other factors, it has been determined that it is in the best interest of the system to ensure the ability to provide reliable and quality services.

Revenues for FY 2019/20 in the Salitrillo Operating Fund are \$5,852,668, reflecting a \$753,373 or nearly 15 percent increase from the FY 2018/19 Amended Budget. This is primarily driven by proposed rate increases necessary to improve the cash position and ability to fund the ten year capital improvement plan for the Salitrillo System.

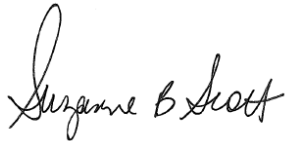
Rates for the Salitrillo Wastewater System are also proposed to increase, with a net impact to the residential customer of 16.5 percent, based on the proposed change in rate and applying the new system winter average to FY 2019/20 rates. The current rates for the Salitrillo system are among the lowest in the Bexar County and surrounding areas. Even with the rate increase, the Salitrillo system rates will continue to be among the lowest in the surrounding communities.

The River Authority will continue to work with the partner cities in this system – Live Oak, Converse and Universal City – to implement agreed upon strategies to invest in and reduce inflow and infiltration into the system caused by aging collection system infrastructure.

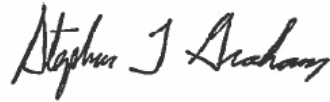
All the utility operating funds meet the target fund balance requirement of three months operating expenditures net of transfers and project costs.

### **Conclusion**

The River Authority continues our commitment to Safe, Clean, and Enjoyable Creeks and Rivers. Through our comprehensive and deliberate budget process and collaboration with the board of directors, we believe this proposed budget positions the River Authority well to advance the mission of our agency. In all that the River Authority does, we strive to provide valued public service, be accountable to our constituents, and be good fiscal stewards of the public resources with which we are entrusted.



SUZANNE B. SCOTT  
General Manager



STEPHEN T. GRAHAM  
Assistant General Manager



RICK TREFZER



SAN ANTONIO  

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RIVER AUTHORITY



## COMMUNITY AND ECONOMIC INFORMATION

### District Profile

The San Antonio River Authority is a political subdivision of the State of Texas (Chapter 276, pg. 556, 45th legislature, as amended) and was created in 1937. The district covers 3,677 square miles in Bexar County, Goliad County, Wilson County and Karnes County. The population served totals 2,059,507 (in 2018) with 96 percent of the population residing in Bexar County (1,986,049) and the remaining counties as follows: Wilson at 50,224, Karnes at 15,650 and Goliad at 7,584. The San Antonio River is 250 miles long with 86 miles in Bexar and Wilson counties and 154 miles in Karnes and Goliad counties.



The River Authority is governed by a twelve member board of directors. Six are elected from Bexar County and two from each of the remaining three counties. Each member serves for six years. Policies established by the Board are executed by a management organization under the direction of the General Manager.

The River Authority provides a wide range of services, all in support of the mission of “Committed to Safe, Clean, Enjoyable Creeks and Rivers.” These services fall into several major categories – flood risk management, water resource development, environmental and water quality, wastewater utility and parks. The River Authority works with local (City of San Antonio, the Edwards Aquifer Authority and Bexar County as well as others), State (Texas Parks and Wildlife, Texas Commission on Environmental Quality, etc.) and federal (Federal Emergency Management Agency (FEMA), U.S. Army Corp of Engineers and more) entities and coalitions (such as the Bexar Regional Watershed Management program) also to further the mission. The River Authority has a full service, National Environmental Laboratory Accreditation Conference (NELAC) accredited water quality laboratory. The River Authority actively monitors streams and river water quality through sampling programs, completes scientific analysis to use in directing resources and setting priorities, and monitors and evaluates various species in the watershed all the way to the San Antonio Bay. This includes several endangered species.

The River Authority also works with local and state entities to identify and potentially develop new water resources to meet the region’s water needs. The utility operations provides wastewater collection and treatment services concentrated in northeastern Bexar County. Utility staff also assists smaller cities and other public entities throughout the district with their wastewater systems’ operations and maintenance. The River Authority owns and maintains multiple parks and paddling trails throughout the district that offer citizens recreational and educational opportunities. There are four parks in Bexar County (Confluence Park, River Crossing on the San Antonio River, Mann’s Crossing on the Medina River and Truehart



Ranch), three in Wilson County (Jackson Nature Park, Helton San Antonio River Nature Park and Graytown Park on the San Antonio River) and one in Goliad County (Branch Nature Park). The parks and educational programs help increase environmental awareness of the river and its environs. Staff also provides maintenance and operations of forty-one dams throughout the district as well as operating and maintaining the improved areas of the river walk north and south of downtown (the Museum Reach and the Mission Reach), providing recreational opportunities in the miles-long stretch of hike and bike trails and associated amenities.

In 1961, an ad valorem tax of two cents per one hundred dollars assessed valuation was approved by the River Authority voters and was collected annually across the district at its maximum rate until 1980. The River Authority then did not levy this tax from 1981 through 2001, but in June 2002, the River Authority's Board of Directors, after approval of the five year service plan, reinstated the ad valorem property tax at 1.6425 cents per one hundred dollars valuation. Use of this tax revenue is limited to general administration, maintenance of completed projects and updating of the River Authority's master plan for water resource development. Revenues collected from this tax may not be pledged to debt service on any bonds used to construct flood control structures. The adopted tax rate through FY 2018/19 was 1.858 cents per \$100 of appraised valuation, only 13.1 percent greater than the tax rate in 2002. The average tax levied on a homestead at that rate was \$38.08 per year. The FY 2019/20 Adopted Budget is also based on tax rate of 1.858 per \$100 of appraised value.

The River Authority has had a long standing partnership with Bexar County to complete flood control improvement projects. In 1951, Bexar County voters authorized an ad valorem levy of up to 15 cents per \$100 in valuation of taxable property for flood control. Bexar County has historically had serious risk of flood as it is located in an area called Flash Flood Alley.

A 1955 contract with Bexar County and subsequent amendments have facilitated the River Authority's involvement in flood control improvement projects funded by the County's flood control tax. The River Authority has managed design and construction of the projects. The County is required to set a tax rate which, at 90 percent current collections, provides revenues at least sufficient to pay each year's requirements for principal and interest of River Authority bonds which were issued to fund flood control improvement projects as part of the agreement with the County. The last bond issuance (other than refundings) by the River Authority for flood control projects funded by this tax was in 2004. The flood control tax continues to support the debt service for this debt. Subsequent to 2004, Bexar County issued the debt for flood control projects that the River Authority managed.

## **Economy**

The River Authority's jurisdiction includes the counties of Bexar, Wilson, Karnes and Goliad. The River Authority has continued to enjoy a favorable economic environment and local indicators point to continued stability. The City of San Antonio, the county seat of Bexar County, occupies an area of 467 square miles in south central Texas at the edge of the Gulf Coastal Plains, about 140 miles northwest of the Gulf of Mexico. The metropolitan statistical area (MSA) is an eight county area made up of Atascosa, Bexar, Bandera, Comal, Guadalupe, Kendall, Medina and Wilson counties. Throughout the last century, the military has been the city's economic power-house; however, tourism, educational institutions, agribusiness,

technology, the aerospace industry and medical research have rounded out the economy. The City's proximity to Mexico provides favorable conditions for international business relations with Mexico in many areas including agriculture, tourism, manufacturing, and retail markets for citizens in Mexico. San Antonio's industries range from the manufacturing of apparel, food products, aircraft, electronics and pharmaceuticals to iron and steel products and oil well equipment.

San Antonio continues to advance its position in the area of bioscience and healthcare services – both direct and indirect. Direct services include hospital care, physicians' offices, nursing homes and a variety of other clinics. Indirect services include health insurance carriers, pharmaceutical companies, medical equipment manufacturers and medical education. The bioscience and healthcare industry has added more than 50,000 new jobs over the past decade. The economic impact of the bioscience and healthcare industry was measured at between \$28 and \$37 billion in 2015 by a study completed by the Greater San Antonio Chamber of Commerce. Cybersecurity and information technology (IT) is another sector that has established itself as a major force in the San Antonio economy. In 2014, the IT industry consisted of over 1,000 companies, with over 34,000 IT professionals, generating an economic impact of nearly \$10 billion. Additional information about other key industries is available through the San Antonio Economic Foundation (SAEDF) website.

Higher education also plays a major role in the San Antonio local economy. The roster of major educational institutions includes the University of Texas Health Science Center, the University of Texas at San Antonio, St. Mary's University, Trinity University, University of the Incarnate Word and the Texas A&M – San Antonio campus on the city's south side.

Tourism is a major industry in San Antonio offering a wide variety of activities to visitors. This includes major theme parks, the River Walk where activities range from dining and live entertainment to hiking and biking trails. San Antonio is also rich in history with the Alamo, where the most famous battle of the Texas revolution was fought, as well as the Spanish Missions which have recently been designated a World Heritage site by the United Nations Educational, Scientific and Cultural Organization (UNESCO). The City is working to make the most of this prestigious designation. In 2018, San Antonio will mark its 300<sup>th</sup> anniversary of its founding. The Tri-centennial Commission was created to honor 300 hundred years of history and will include many educational, artistic, and entertaining events coordinated with key partnerships in the area.

In Karnes County, fracking activities have had a very significant, positive impact on the economy. From 2010 to 2014, the property values in this county grew 1,826 percent – from \$558.4 million in 2010 to \$10.8 billion in 2014. Although falling gas and oil prices drove a decline in property values of 15 percent for 2015 and 40 percent in 2016 from mineral rights, the overall growth since 2010 still remains very strong through 2018. This industry's activity in Karnes County has increased property values and generated strong increases in sales tax and hotel/motel taxes in the surrounding area. The drop in oil prices has decreased the fracking activity, which has also reduced the workforce in the oil fields. However, the fracking industry remains at work in the area and is expected to continue to positively contribute to the economy in Karnes County over the next several years.

## **Economic Outlook**

The San Antonio area continues to enjoy a robust economy. Unemployment in April 2019 was 3.2 percent which is less than the 3.7 percent nationwide rate. Job growth was 2.7 percent in May 2018, down slightly from 2.5 percent in May 2017 but still ahead of the national average of 1.5 percent in May 2018. Ten employment sectors saw growth with mining (7.1 percent) leading the way. Manufacturing and leisure and hospitality industries also experienced substantial job increases. San Antonio continues to work hard to attract information technology and health care industry jobs and has seen overall success.

### **Major Regional Employers**

<b>Employer</b>	<b>Sector</b>	<b>Number of Employees</b>
Lackland Air Force Base	Military	37,000
Fort Sam Houston – U.S. Army	Military	32,000
H-E-B	Super Market Chain	20,000
USAA	Financial Services and Insurance	18,305
Randolph Air Force Base	Military	11,000
Methodist Healthcare System	Health Care Services	9,620
City of San Antonio	San Antonio	9,145
Baptist Health System	Health Care Services	6,383
Wells Fargo	Financial Services	5,073
Harland Clarke	Managed Services	5,000

*The 2017 Book of Lists, The San Antonio Business Journal and by contact with company representatives.*

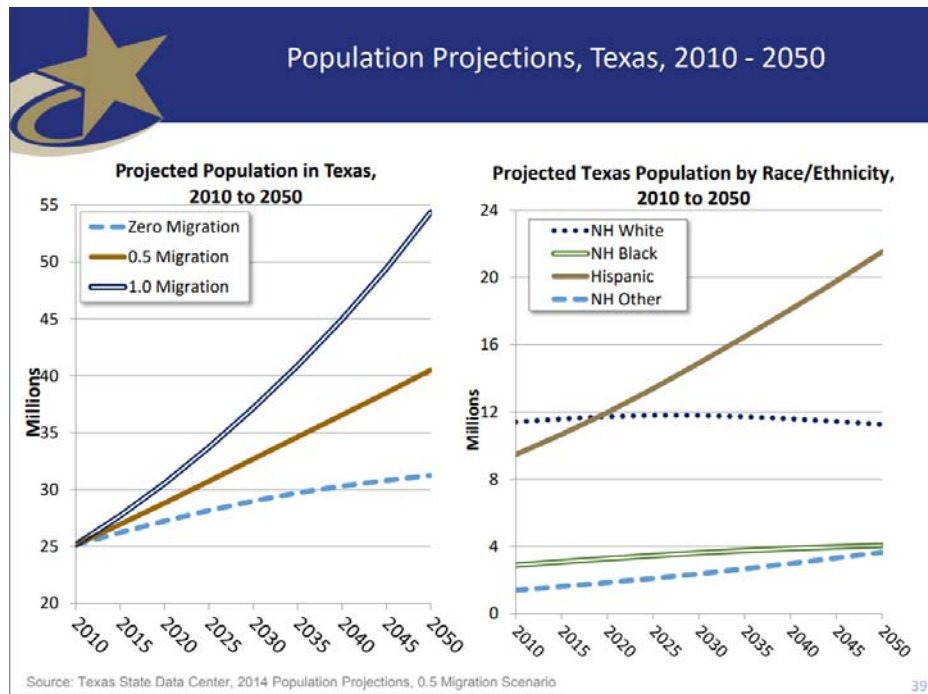
<http://www.sanantonioedf.com/why-san-antonio/data/>

San Antonio still faces some economic challenges with education level of the workforce among them. San Antonio needs to focus on continuing to develop higher education opportunities as well as supporting small businesses and entrepreneurs. Declining oil prices do not impact the San Antonio area as much as the downstream counties. The employment and property valuations in Karnes and to a less extent Wilson counties are more negatively affected by reduction in oil production and other oil related services.

The housing market in San Antonio remains strong. The inventory of homes available for purchase in December 2018 was 3.2 months and 3.6 months by June 2019. It is currently still a seller's market. The median home price increased five percent in 2018 to \$225,600. In 2018, a record high of 32,140 homes were sold in Bexar County. Housing remains more affordable in Bexar County than in many of the other large cities in Texas. The average home price in San Antonio is \$259,571. (San Antonio Board of Realtors, January 15, 2019). The average homestead value increase in all four counties serviced by the San Antonio River Authority.

It is well documented that Texas and San Antonio are expected to experience significant growth in the future. From 2000 to 2010 the growth in population is 9.2 percent, outpacing all other states. Providing for services and infrastructure to accommodate this growth will

certainly be a challenge faced across the state. This is of critical importance to San Antonio and the River Authority as it applies to how we accommodate the growth and the development that will accompany it. The River Authority is involved in conversations to help influence the community as it relates to the utilization of low impact development. Applying certain best management practices could help mitigate water quality and flood risks concerns. Below are two graphs depicting the projected growth for the State of Texas.



Graph Source:

[http://demographics.texas.gov/Resources/Presentations/OSD/2017/2017\\_04\\_24\\_TexasFarmBureauAgLeadandFarmLeadLeadershipClasses.pdf](http://demographics.texas.gov/Resources/Presentations/OSD/2017/2017_04_24_TexasFarmBureauAgLeadandFarmLeadLeadershipClasses.pdf). Lila Valencia, PhD.

Other Sources:

Bureau of Labor Statistics June 27, 2018 San Antonio Area Economic Summary. [https://www.bls.gov/regions/southwest/summary/blssummary\\_sanantonio.pdf](https://www.bls.gov/regions/southwest/summary/blssummary_sanantonio.pdf)

Dallas Federal Reserve, July 26, 2018, San Antonio Economic Indicators. <https://www.dallasfed.org/-/media/Documents/research/indicators/sa/2018/sa1807.pdf>

[http://demographics.texas.gov/Resources/Presentations/OSD/2017/2017\\_04\\_24\\_TexasFarmBureauAgLeadandFarmLeadLeadershipClasses.pdf](http://demographics.texas.gov/Resources/Presentations/OSD/2017/2017_04_24_TexasFarmBureauAgLeadandFarmLeadLeadershipClasses.pdf).



SAN ANTONIO  

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RIVER AUTHORITY

**San Antonio River Authority  
Notes Receivables**

**San Antonio River Authority Note Receivables and General Fund Obligations/Revenue**

	<u>Original Note</u>	<u>Projected Debt Service Remaining 6-30-19</u>	<u>FY 2019/2020 Budgeted Payment Due</u>
<b><u>General Fund</u></b>			
Goliad County Water Supply Company	\$ 300,472	\$ 236,584	\$ 11,795
San Antonio Alternative Housing Corporation/Rosedale TIRZ	292,713	8,775	34,882
<b>Totals</b>	<b>\$ 1,141,404</b>	<b>\$ 245,359</b>	<b>\$ 46,677</b>
<b><u>SARA Wastewater Fund</u></b>			
La Vernia	600,000	364,706	46,046
Goliad County Water Supply Company	170,998	107,111	11,795
<b>Totals</b>	<b>\$ 770,998</b>	<b>\$ 471,817</b>	<b>\$ 57,841</b>
<b><u>General Fund Obligations</u></b>			
Euclid (Reserves)	3,576,202	2,214,459	280,000
Mission Reach Operation Center (Public Facility Corporation)	3,100,000	2,466,000	181,386
<b>Totals</b>	<b>\$ 6,676,202</b>	<b>\$ 4,680,459</b>	<b>\$ 461,386</b>



SAN ANTONIO  

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RIVER AUTHORITY

## New Resources for FY 2019/20

Description	Business Justification/Benefit to SARA and/or Stakeholders	Amount
<b>Organization Support</b>		
Records Management	Training and Shred events	12,350
Straus Medina Property	Acquisition of approximately 85.2 acres for future park land use.	370,000
Department Promotions	Adjustments to personnel cost based on authorized promotion opportunities for existing staff	61,788
<b>Total - Organization Support</b>		<b>444,138</b>
	<b>Total - Organization Support - Personnel</b>	<b>61,788</b>
	<b>Total - Organization Support - Operations</b>	<b>12,350</b>
	<b>Total - Organization Support - Capital</b>	<b>370,000</b>

<b>Facilities</b>		
Truck - WSE	Replacement of 2007 model (0703) with 103,896 miles.	35,000
Truck - WSE	Replacement of 2008 model (0812) with 125,265 miles.	35,000
Truck - ESD	Replacement of 2010 model (1006) with 116,068 miles.	35,000
Truck - WPO	Replacement of 2006 model (0622) with 138,000 miles.	35,000
Lonestar Gate	Upgrade the lonestar gate to add card reader access.	10,000
Euclid Facilities	The Euclid facility requires some updates, to include door to close off the area to the kitchen and other miscellaneous improvements such as wall patching, paint, and replacement of laboratory countertops.	20,000
<b>Total - Facilities</b>		<b>170,000</b>
	<b>Total - Facilities - Personnel</b>	<b>-</b>
	<b>Total - Facilities - Operations</b>	<b>30,000</b>
	<b>Total - Facilities - Capital</b>	<b>140,000</b>

<b>Finance</b>		
Strategic Objective under goal 4 / 5: training program	Develop SARA training program that supports awareness, ease of use and employee experience for enterprise applications and other resources	10,000
Vendor Management	Vendor Management Module for Licenses and Maintenance	15,688
Report Development	Contract for services to develop desired reports	10,000
<b>Total - Finance</b>		<b>35,688</b>
	<b>Total - Finance - Personnel</b>	<b>-</b>
	<b>Total - Finance - Operations</b>	<b>35,688</b>
	<b>Total - Finance - Capital</b>	<b>-</b>

<b>Intergovernmental and Community Relations</b>		
River Rally 2020 sponsorship	San Antonio (the city not the entity) and SARA are the hosts of the 2020 River Rally and this is intended to cover host sponsorship and organization of tours including transportation expenses such as buses and even kayak / canoe rentals	42,500
<b>Total - Government and Public Affairs</b>		<b>42,500</b>
	<b>Total - Government and Public Affairs - Personnel</b>	<b>-</b>
	<b>Total - Government and Public Affairs - Operations</b>	<b>42,500</b>
	<b>Total - Government and Public Affairs - Capital</b>	<b>-</b>



**New Resources for FY 2019/20**

Description	Business Justification/Benefit to SARA and/or Stakeholders	Amount
<b>Information Technology</b>		
LTE	File/Folder restructure Effort with Executive Offices	53,925
FOIA Request Application	Application to support the Open Record request process and management.	15,000
Disaster Recovery	This will be used to identify areas where the SARA needs to improve its disaster recovery strategy. The list of enhancements may consist of improving bandwidth in Martinez II, relocating recovery site partially or completely by moving it to a cloud environment, implement recommendations as a result of the business continuity plan that TEEEX is developing, etc.	20,000
GIS Technology	Annual License that includes all extension (Workflow, Network Analysis, production mapping). Use this additional short term license to test all available for suitability.	6,000
Cyber Security	Cloud-native endpoint protection platform (anti-virus system) includes year round support and will strengthen the Cyber Security approach at SARA. This managed service will monitor all servers and computers at SARA regardless of where the user is located. If an intrusion is detected it will trigger a response team to stop and remediate any damage made.	25,000
Data development plan for GIS	This is to cover expenses associated with the development and implementation of a geospatial data management plan at SARA. This will be used for either the development of tools for the administration of the data to make the data searchable and easy to access by staff, for the contracting of services provided by third parties to help staff with the development, and/or the actual implementation of this plan and any other related expenses.	25,000
Conference Rooms	Cable management solution is needed as cords and connections require frequent repair in their current condition.	25,000
Misc. Departmental Software	Various software licenses to support departmental operations.	15,000
ONESolution Upgrade	Upgrade ONESolution, SARA's financial information system, from version 16.2 to version 18.2	22,570
<b>Total - Information Technology</b>		<b>207,495</b>
<b>Total - Information Technology - Personnel</b>		<b>53,925</b>
<b>Total - Information Technology - Operations</b>		<b>153,570</b>
<b>Total - Information Technology - Capital</b>		<b>-</b>

## New Resources for FY 2019/20

Description	Business Justification/Benefit to SARA and/or Stakeholders	Amount
<b>Environmental Sciences - Laboratory</b>		
Computer	Computer set-up for Molecular Biologist	3,000
Inventory Management Renewal	Inventory Management Renewal est. 6/1/2020 to 5/30/2021	3,000
Molecular Biologist	Develop and establish BST testing program that will lead to implementing quantification methodology.	65,274
Metals Microwave Digester	Current unit needs to be replaced as it is obsolete and being phased out. The new unit will have improved temperature stability ensuring even temperature distribution and complete digestions, resulting in less re-digestions and improved performance. This equipment will support the testing needs of the CRP program, SARA's partners, and stormwater monitoring.	44,000
Labware Washer	Current unit has been discontinued and needs to be replaced with a new model with warranty coverage. It has performance issues and does not start or keep running continuously. The two labware washers support the daily washing needs of the laboratory and the stormwater section.	18,000
<b>Total - Environmental Sciences - Laboratory</b>		<b>133,274</b>

<b>Environmental Sciences - Planning and Administration</b>		
GPS Units	Two replacement GPS units to replace the current units that are outdated. These units are used to uniquely identify all sampling locations including water quality sampling, mussel, nekton and benthic surveys. These units will allow staff to collect the best location data.	19,000
San Pedro Creek Monitoring Site	This is an automated monitoring site that would measure dissolved oxygen, pH, conductivity and temperature at the San Pedro Creek Culture Park near the Santa Rosa bridge. Real time data will be available online for ESD and WPO to monitor. For this unit, staff would like to add a total algae smart sensor (chlorophyll & phycocyanin) to see if it can be used to predict algae blooms and avoid fish kills.	22,487
<b>Total - Environmental Sciences - Planning and Administration</b>		<b>41,487</b>

<b>Total - Environmental Sciences</b>		<b>174,761</b>
	<b>Total - Environmental Sciences - Personnel</b>	<b>65,274</b>
	<b>Total - Environmental Sciences - Operations</b>	<b>6,000</b>
	<b>Total - Environmental Sciences - Capital</b>	<b>103,487</b>

**New Resources for FY 2019/20**

<b>Description</b>	<b>Business Justification/Benefit to SARA and/or Stakeholders</b>	<b>Amount</b>
<b>Real Estate</b>		
LTE	Real Estate LTE to support QA/QC efforts for property data maintenance.	53,799
<b>Total - Real Estate</b>		<b>53,799</b>
	<b>Total - Real Estate - Personnel</b>	<b>53,799</b>
	<b>Total - Real Estate - Operations</b>	<b>-</b>
	<b>Total - Real Estate - Capital</b>	<b>-</b>

<b>Watershed Engineering</b>		
WMS network license	Need two network license (dongle) for GSSHA program related to several projects and initiatives	11,100
WMS network license	Annual maintenance for WMS	1,580
<b>Total - Watershed Engineering</b>		<b>12,680</b>
	<b>Total - Watershed Engineering - Personnel</b>	<b>-</b>
	<b>Total - Watershed Engineering - Operations</b>	<b>12,680</b>
	<b>Total - Watershed Engineering - Capital</b>	<b>-</b>

**New Resources for FY 2019/20**

<b>Description</b>	<b>Business Justification/Benefit to SARA and/or Stakeholders</b>	<b>Amount</b>
<b>Watershed and Park Operations</b>		
Park Technician I	Supportive of new Escondido Creek Parkway	11,408
Park Technician I	Supportive of new Escondido Creek Parkway	11,408
Park Technician I	Supportive of new Escondido Creek Parkway	11,408
New park tech truck	3/4 ton 4x4 crew cab gas for Escondido Creek Parkway	40,000
New park techs- One desktop computer	Computer for new employees	2,000
Parks- pressure washer with trailer	Supportive of new Escondido Creek Parkway Operations and Maintenance	10,000
Parks- zero turn mower	Supportive of new Escondido Creek Parkway Operations and Maintenance	9,000
Parks- small tools and supplies	Supportive of new Escondido Creek Parkway Operations and Maintenance	18,000
Trail panel maintenance on Mission	Various panels at expansion joints are shifting.	20,000
Seal coat orchard road at Helton	Existing road was chip sealed three years ago. In order to extend the life and manage chip seal, seal coat is needed.	60,000
River of Lights	Will be used for consultant, new displays/lights, and install and take down of holiday lighting on the Museum Reach.	100,000
Pedestrian Counters	Two counters for San Pedro Creek, one for Confluence Park, and two for Escondido Creek Parkway.	19,000
Interactive Kiosk at Museum	Supportive of way finding and interactive opportunities for visitors. Kiosk will be similar to what has been done on San Pedro Creek by Bexar County and will be placed near the Brooklyn Lock & Dam.	50,000
Truck	Replacement of existing gas truck purchased in 2010. Request 3/4 ton diesel 4x4 to move equipment around to various locations.	60,000
<b>Total - Watershed and Park Operations</b>		<b>422,224</b>
	<b>Total - Watershed and Park Operations - Personnel</b>	<b>34,224</b>
	<b>Total - Watershed and Park Operations - Operations</b>	<b>219,000</b>
	<b>Total - Watershed and Park Operations - Capital</b>	<b>169,000</b>
<b>Total - General Fund</b>		<b>1,563,285</b>
	<b>Total - General Fund - Personnel</b>	<b>269,010</b>
	<b>Total - General Fund - Operations</b>	<b>511,788</b>
	<b>Total - General Fund - Capital</b>	<b>782,487</b>

**New Resources for FY 2019/20**

<b>Description</b>	<b>Business Justification/Benefit to SARA and/or Stakeholders</b>	<b>Amount</b>
<b>Salitrillo Wastewater Operations</b>		
RAS Pumps	Replacement of three pumps installed in 1997 with continuous clogging issues.	22,500
Roll Off Truck	Replacement of 2005 model (0504) 81,768 and in poor condition. Staff plans to upgrade to heavier duty model.	135,000
Tractor Tanker	Replacement of 2007 model (0007) 216,469 miles. Recently there have been multiple transmission problems with this vehicle.	112,000
SCADA	Various improvements to SCADA system.	25,000
Computer Replacement	Annual computer refresh.	4,000
<b>Total - Salitrillo Wastewater Operations</b>		<b>298,500</b>

<b>SARA Wastewater Operations</b>		
Floating Aerator - Upper Martinez	Staff had to use spare pump at Salitrillo in FY 2018/19. Need to purchase a new back up aerator to have on hand if another goes out. The aerator is needed for plant compliance with TCEQ permit parameters.	30,000
SCADA	Various improvements to SCADA system.	25,000
Pick Up Truck with flatbed	Replacement of 2008 model (0806) 73,820 miles and in poor condition.	60,000
Pick Up Truck	Replacement of 2008 model (0809) 80,646 miles and in poor condition.	60,000
Pick Up Truck	Replacement of 2008 model (0621) 148,892 miles and in poor condition.	60,000
ATV Martinez IV	Needed for new plant to haul supplies, equipment, and samples across property. Will also be used to access creek through muddy and rough terrain.	15,000
Computer Replacement	Annual computer refresh.	9,900
<b>Total - SARA Wastewater Operations</b>		<b>259,900</b>

<b>Total - Wastewater Utility</b>		<b>558,400</b>
	<b>Total - Wastewater Utility - Personnel</b>	<b>-</b>
	<b>Total - Wastewater Utility - Operations</b>	<b>93,900</b>
	<b>Total - Wastewater Utility - Capital</b>	<b>404,500</b>

<b>Grand Total</b>		<b>2,121,685</b>
	<b>Grand Total - Personnel</b>	<b>269,010</b>
	<b>Grand Total - Operations</b>	<b>605,688</b>
	<b>Grand Total - Capital</b>	<b>1,186,987</b>

## New Project Funding for FY 2019/20

<b>Projects by Fund</b>	<b>FY 2019/20 New Funding Amount</b>
<b>Fund: SARA Project Fund (from General Fund)</b>	
<i>Advance Science &amp; Engineering Expertise &amp; Data</i>	
Clean Rivers Program 2017/SARA Stream Monitoring	5,000
Floodplain Remapping (2018) - Leon, Salado, and Medina	1,000,000
Predictive Flood Modeling	900,000
Site-Scale Model Development	235,462
<i>Enable Policy, Projects, and Actions</i>	
Edwards Aquifer Watershed Protection	1,000
Freshwater Mussel Propagation	90,798
Impervious Cover and Growth Center Analysis (SA Tomorrow)	136,438
River Road Stream Restoration	200,000
Trash and Floatables Mitigation - Olmos Creek	56,000
Watershed Wise Rebate Program (Private)	400,000
<i>Enhance Community Appreciation and Recreation</i>	
Espada Park	150,000
Kenedy Operations Center*	65,340
<i>Maximize Strategic Use of Resources</i>	
Lucity	100,000
Facilities Acquisition/Improvements Project	1,000,000
<b>Total Funding Request - SARA Project Fund</b>	
	<b>\$ 4,340,038</b>
<b>Funding Source: Park Resources Development Fund</b>	
<i>Enhance Community Appreciation and Recreation</i>	
Kenedy Operations Center*	84,660
<b>Total Funding Request - Park Resources Development Fund</b>	
	<b>\$ 84,660</b>

Note: blue font indicates new project for FY 2019/20

\*Funding was reallocated from John Helton SA River Nature Park and Nature Park Signage along with an additional \$18,575 from the Unrestricted Balance in the PRDF

## New Project Funding for FY 2019/20

<b>Projects by Fund</b>	<b>FY 2019/20 New Funding Amount</b>
<b>Funding Source: Grants Fund</b>	
<i>Advance Science &amp; Engineering Expertise &amp; Data</i>	
Clean Rivers Program 2017/SARA Stream Monitoring	570,540
<i>Enhance Community Appreciation and Recreation</i>	
Escondido Creek Parkway (Fund 58)	500,000
<b>Total Funding Request - Grants Fund</b>	
	<b>\$ 1,070,540</b>
<b>Funding Source: Capital Project Funds</b>	
<i>Enhance Community Appreciation and Recreation</i>	
Escondido Creek Parkway (Fund 58)	245,000
WSC Linear Creekways Trails and Elmendorf Lake Park (Fund 61)	541,648
<b>Total Funding Request - Capital Project Funds</b>	
	<b>\$ 786,648</b>
<b>Funding Source: Utility Capital Improvement Funds</b>	
<i>Maximize Strategic Use of Resources</i>	
Salitrillo & Martinez Sewershed Models (Salitrillo - Fund 81)	160,000
Salitrillo Collection System I/I (Salitrillo - Fund 81)	858,762
Salitrillo WWTP Expansion and Improvements (Salitrillo - Fund 81)	29,000,000
Utility Optimization Plan (Salitrillo - Fund 81)	22,500
Martinez IV Collection System CIP (SARA WW - Fund 80)	2,400,000
Martinez IV Wastewater Treatment Plant Expansion (SARA WW - Fund 80)	500,000
Salitrillo and Martinez Sewershed Models (SARA WW - Fund 80)	346,367
Utility Optimization Plan (SARA WW - Fund 80)	22,500
RAFB Year 17 (Fund 83)	1,003,829
<b>Total Funding Request - Utilities Capital Improvement Funds</b>	
	<b>\$ 34,313,958</b>
<b>GRAND TOTAL</b>	
	<b>40,595,844</b>

*Note: blue font indicates new project for FY 2019/20*

## Position Listing by Department

Description	Pay Grade	FY18	FY19	FY20
<b>Board of Directors</b>	ELEC	12	12	12
<b>Executive Offices</b>				
General Manager	154	1	1	1
Assistant General Manager	148	1	1	1
Director of Government & Public Affairs	143	1	1	1
Director of Human Resources	143	1	1	1
Director of Legal Services	143	1	1	1
Director of Operations	143	1	1	1
Director of Support Services	143	1	1	1
Director of Technical Services	143	1	1	1
Public Art Curator	127	1	1	1
Executive Offices Administrator	122	1	1	1
Executive Assistant	115	2	1	1
Senior Agenda Management Coordinator	115	0	1	1
Document Control Coordinator	111	1	1	1
<i>Total Executive Offices</i>		13	13	13
<b>Intergovernmental and Community Relations</b>				
Intergovernmental Manager	135	0	1	1
Intergovernmental Specialist	126	1	0	0
Brand & Communications Officer	125	1	1	1
Education Specialist	124	1	1	1
Community Relations & Events Specialist	122	1	1	1
Art Direction Specialist	122	1	1	1
Art Direction Coordinator I	118	0	1	1
Community Relations Coordinator II	118	0	1	1
Education Coordinator II	118	0	1	1
Community Relations Coordinator I	117	3	2	2
Education Coordinator I	117	1	0	0
Intergovernmental Coordinator I	117	3	3	3
Intergovernmental Technician	112	1	1	1
Web Developer (LTE)	104	1	0	0
Part-Time Education Coordinator	103	1	1	1
Education Intern	101	1	1	1
<i>Total Intergovernmental &amp; Community Relations</i>		16	16	16
<b>Human Resources</b>				
People & Safety Business Partner	124	1	1	1
People & Benefits Business Partner	122	1	1	1
People & Culture Business Partner	122	1	1	1
Human Resources Coordinator I	112	1	1	1



## Position Listing by Department

Description	Pay Grade	FY18	FY19	FY20
Administrative Assistant II	110	0	0	1
Administrative Assistant I	109	1	1	0
Human Resources Intern	101	1	1	1
<i>Total Human Resources</i>		6	6	6
<b>Facilities</b>				
Facilities Administrator	126	0	1	1
Facilities & Maintenance Superintendent	124	0.5	0	0
Facilities Crewleader	112	1	1	1
Facilities Maintenance Technician II	110	1	0	0
Facilities Maintenance Technician I	109	2	3	2
Custodian	103	2	2	3
<i>Total Facilities</i>		6.5	7	7
<b>Finance</b>				
Accounting & Budget Services Manager	136	1	1	1
Accounting Manager	133	1	0	0
Procurement Manager	133	1	0	0
Senior Financial Reporting/Compliance Officer	128	0	1	0
Senior Accountant	126	1	1	1
Support Services Administrator	126	0	1	1
Contracting Officer	125	0	1	1
Project and Planning Administrator	125	0	0	2
Project & Planning Specialist	124	1	1	0
Senior Budget Analyst	122	0	1	1
Budget Analyst I	119	3	2	2
Accountant II	117	0	0	1
Purchasing Coordinator	117	0	0	1
Financial Accountant I	114	0	1	1
Accountant	113	1	0	0
Budget Services Technician	112	1	0	0
Support Services Technician	112	1	1	1
Senior Accounting Technician	112	1	1	0
Accounting Technician II	110	1	1	1
Purchasing Officer	104	0	1	1
Finance Intern	101	1	1	1
<i>Total Finance</i>		14	15	16
<b>Information Technology</b>				
Information Technology Manager	136	1	1	1
Enterprise Applications Administrator	127	1	1	1
Customer Service Administrator	125	0	1	1

## Position Listing by Department

Description	Pay Grade	FY18	FY19	FY20
GIS Administrator	125	1	1	1
Infrastructure Administrator	125	1	1	1
Data/Development Administrator	124	1	1	1
Database Specialist	124	1	1	1
Development Support Specialist I	122	1	0	0
GIS Developer	122	0	1	0
Systems and Cybersecurity Specialist I	122	1	1	1
GIS Analyst II	122	1	1	1
GIS Analyst I	120	2	3	4
Customer Support Specialist II	119	0	1	1
IT Support Specialist I	118	2	1	1
Customer Support Specialist I	117	0	1	1
GIS Technician I	114	1	0	0
Administrative Support (LTE)	104	0	1	1
Development and Database (LTE)	104	1	0	0
Business Applications (LTE)	103	1	0	0
Geographic Information Systems (LTE)	103	1	0	0
Information Technology Intern	101	1	1	1
<i>Total Information Technology</i>		18	18	18
<b>Environmental Sciences</b>				
Environmental Sciences Manager	137	1	1	1
Senior Laboratory & Data Management Scientist	129	1	1	1
Senior Quality Assurance & Monitoring Scientist	129	1	1	1
Senior Stormwater Supervisor	129	1	1	1
Stormwater Landscape Architect	125	1	1	1
Sustainable Landscape Ecologist	125	1	1	1
Urban Stormwater Planner	125	1	1	1
Laboratory Supervisor	124	1	1	1
Environmental Investigation Supervisor	122	1	1	1
Quality Assurance Supervisor	122	1	1	1
Stormwater Investigation Supervisor	122	1	1	1
Stormwater Monitoring Supervisor	122	1	1	1
Environmental Data Specialist II	120	2	2	2
Quality Assurance Specialist II	120	1	1	1
Senior Water Quality Scientist	120	2	3	3
Stormwater Analyst I	120	1	1	1
Environmental Investigation Specialist I	119	1	1	1
Aquatic Biologist II	118	2	2	2
Laboratory Services Coordinator II	118	1	1	1
Molecular Biologist	118	0	0	1
Stormwater Scientist II	118	0	1	1

## Position Listing by Department

Description	Pay Grade	FY18	FY19	FY20
Water Quality Scientist II	118	3	1	3
Aquatic Biologist I	116	3	3	3
Stormwater Scientist I	116	1	1	1
Water Quality Scientist I	116	4	5	3
Administrative Assistant I	109	1	1	1
Administrative Support (LTE)	104	1	0	0
Part-Time Water Quality Scientist	103	1	1	1
Michael Gonzalez Intern	102	1	1	1
Data Management Intern	101	0	1	1
Watershed Monitoring Intern	101	1	1	1
Stormwater Intern	101	0	1	1
<i>Total Environmental Sciences</i>		38	40	41
<b>Real Estate</b>				
Real Estate Manager	135	1	1	1
Real Estate Representative III	123	2	2	1
Real Estate Representative II	121	1	1	0
Real Estate Representative I	119	0	0	2
Administrative Assistant II	110	1	1	0
Administrative Assistant I	109	0	0	1
Administrative Support (LTE)	104	0	1	1
Real Estate Intern	101	0	1	1
<i>Total Real Estate</i>		5	7	7
<b>Watershed Engineering</b>				
Watershed Engineering Manager	137	1	1	1
Senior Engineer	132	3	3	3
Senior Technical Engineer	131	2	3	2
Engineer	130	8	7	8
Graduate Engineer	127	1	2	2
Watershed Engineering Administrator	125	1	1	0
Registered Professional Land Surveyor Lead	124	1	1	1
Engineer Technician Supervisor	122	1	1	1
Construction Inspector II	120	0	4	4
Senior Engineering Technician	119	5	1	0
Project Management Associate	119	0	0	1
Construction Inspector I	118	0	1	1
Survey Party Chief II	118	0	0	1
Survey Party Chief I	117	2	2	1
Engineering Technician I	115	1	1	1
Senior Administrative Assistant	111	1	1	1
Construction Administrative Coordinator	103	1	1	1

## Position Listing by Department

Description	Pay Grade	FY18	FY19	FY20
Engineering Apprentice	103	1	1	0
Engineering Technician Intern	101	0	0	1
Engineering Intern	101	0	1	1
<i>Total Watershed Engineering</i>		29	32	31
<b>Utility</b>				
Utility Manager	137	1	1	1
Senior Financial Officer	126	0	0	1
Facilities & Maintenance Superintendent	124	0.5	0	0
Utility Development Superintendent	124	1	1	1
Utility Operations Superintendent	124	1	1	1
Master Electrician	122	1	1	1
Assistant Maintenance Superintendent	120	1	1	1
Assistant WWTP Operations Superintendent	120	1	1	1
Collection System Quality Control Supervisor	118	1	1	1
Community Assistance Operator	118	1	1	1
Operations Quality Control Supervisor	118	1	1	1
Collection System Foreman	117	2	2	2
Field Maintenance Foreman	117	0	0	0
Line Inspection Foreman	117	1	1	1
Operations Facility Foreman	117	2	2	2
Plant Maintenance Foreman	117	1	1	0
Shop Maintenance Foreman	117	1	1	0
Senior GIS Technician	116	1	1	1
Senior Line Inspector	116	1	1	1
CCTV Utility Specialist	115	1	1	1
Equipment Operator Lead Specialist	115	1	1	1
Industrial Waster Inspector/Chief Operator	115	0	1	1
Operations Lead Specialist	115	1	1	1
Lead Laboratory Analyst	114	1	1	1
Sludge Facility Operator II	114	1	1	0
Maintenance Specialist II	113	1	1	1
Operations Specialist II	113	2	3	1
Plant Maintenance Crewleader II	113	0	0	1
Sludge Facility Operator I	113	0	0	1
Collection System Specialist I	112	2	2	2
Equipment Specialist I	112	1	1	1
Field Maintenance Crewleader I	112	0	0	1
Maintenance Specialist I	112	2	2	1
Shop Maintenance Crewleader I	112	0	0	1
Senior Administrative Assistant	111	1	1	1
Senior Collection System Technician	111	0	1	1

## Position Listing by Department

Description	Pay Grade	FY18	FY19	FY20
Senior Operations Technician	111	0	0	1
Collection System Technician II	110	2	0	1
Equipment Technician II	110	0	2	2
Maintenance Technician II	110	0	0	1
Operations Technician II	110	4	2	2
Administrative Assistant I	109	1	1	1
Collection System Technician I	109	1	1	0
Equipment Technician I	109	2	0	0
Maintenance Technician I	109	4	5	4
Operations Technician I	109	5	6	6
<i>Total Utility</i>		51.5	52	52
<b>Watershed &amp; Park Operations</b>				
Watershed & Parks Operations Manager	137	1	1	1
Senior Superintendent	126	1	1	1
Mission Reach Superintendent	124	1	1	1
Park & Dam Superintendent	124	1	1	1
Recreation Superintendent	124	1	1	1
Urban Reach Superintendent	124	1	1	1
Training Specialist	121	0	1	1
Natural Resource Management Specialist	119	1	1	1
Dam Foreman	117	2	2	2
Park Foreman	117	1	1	1
Park Program Coordinator I	117	1	2	2
Riparian Landscape Foreman	117	2	2	2
Riparian Operations Foreman	117	2	2	2
San Pedro Creek Foreman	117	1	1	1
Telemetry Technician I	115	0	1	1
Dam Crewleader II	113	1	1	1
Park Project Coordinator	113	1	1	1
Riparian Landscape Crewleader II	113	2	2	0
Riparian Operations Crewleader II	113	1	1	0
Dam Crewleader I	112	3	2	2
Lock & Dam Crewleader I	112	0	1	1
Park Crewleader I	112	1	2	2
Riparian Equipment Crewleader I	112	2	1	1
Riparian Landscape Crewleader I	112	2	2	4
Riparian Operations Crewleader I	112	1	1	2
San Pedro Creek Crewleader I	112	1	1	1
Lock & Dam Technician II	110	1	0	0
Park Technician II	110	1	2	2
Riparian Equipment Technician II	110	1	1	0

## Position Listing by Department

Description	Pay Grade	FY18	FY19	FY20
Riparian Landscape Technician II	110	3	6	3
Riparian Operations Technician II	110	3	1	1
Administrative Assistant I	109	1	1	1
Dam Technician I	109	2	2	2
Lock & Dam Technician I	109	3	3	3
Park Technician I	109	5	4	6
Riparian Equipment Technician I	109	1	1	3
Riparian Landscape Technician I	109	17	15	18
Riparian Operations Technician I	109	5	7	7
CNG Mechanic (Part-Time)	104	1	1	1
<i>Total Watershed Operations</i>		75	78	81
<b>Breakdown by Employment Type</b>				
Full time Employees		254	265	269
Limited term Employees		5	2	2
Part time Employees		13	17	17
Elected Officials		12	12	12
<i>Total</i>		284	296	300

## FY 2019/20 Pay Scale

<b>Pay Grade</b>	<b>Pay Grade Min Annual</b>	<b>Pay Grade Mid Annual</b>	<b>Pay Grade Max Annual</b>
101	\$9.00 per Hour	\$9.00 per Hour	\$9.00 per Hour
102	\$12.50 per Hour	\$12.50 per Hour	\$12.50 per Hour
103	Variable	Variable	Variable
104	Variable	Variable	Variable
109	28,088.59	35,110.74	42,132.89
110	29,493.02	36,866.27	44,239.53
111	30,967.67	38,709.59	46,451.51
112	32,516.05	40,645.07	48,774.08
113	34,141.86	42,677.32	51,212.79
114	35,848.95	44,811.19	53,773.42
115	37,641.40	47,051.75	56,462.10
116	39,523.47	49,404.33	59,285.20
117	41,499.64	51,874.55	62,249.46
118	43,574.62	54,468.28	65,361.93
119	45,753.35	57,191.69	68,630.03
120	48,041.02	60,051.28	72,061.53
121	50,443.07	63,053.84	75,664.61
122	52,965.23	66,206.53	79,447.84
123	55,613.49	69,516.86	83,420.23
124	58,394.16	72,992.70	87,591.24
125	61,313.87	76,642.34	91,970.80
126	64,379.56	80,474.45	96,569.34
127	67,598.54	84,498.18	101,397.81
129	74,527.39	93,159.24	111,791.09
130	78,253.76	97,817.20	117,380.64
131	82,166.45	102,708.06	123,249.67
132	86,274.77	107,843.46	129,412.16
135	99,873.83	124,842.29	149,810.75
136	104,867.52	131,084.40	157,301.29
137	110,110.90	137,638.63	165,166.35
143	147,559.14	184,448.92	221,338.71
148	188,327.01	235,408.76	282,490.51
154	252,376.20	315,470.25	378,564.30



## PERFORMANCE MEASURES

The River Authority is continuing the practice of incorporating performance measures into the annual budget document. These measures are used as one tool with which to evaluate the health of the watershed and the organization’s operations. FY 2018/19 is the final year of the River Health Index (RHI), which was initiated in Calendar Year (CY) 2010 and set targets for the organization to achieve by CY 2020. The RHI is designed to measure improved stream health over a ten year period using scientific and engineering means. The data is compiled and reported annually to the River Authority’s Board of Directors.

During FY2019/20 a new performance measurement system will be developed and implemented. This new system will be incorporated into the FY 2020/21 budget process. Therefore, no goals are stated in the FY 2019/20 Annual Budget Detail Book.

Performance measures that are part of the RHI are signified with “RHI” after the description in the following matrices. The measures shown here designated as RHI have distinct goals for CY 2018 or FY 2018/19 based on more recent activity and may be different from the RHI annual goals which were established in 2010 for a ten year period. Not all performance measures are part of the RHI composite score. Some have been developed and tracked by departments over the last several years.

The River Authority also has several financial and project leverage indices that are tracked and reported annually to the Board of Directors. These indices were created to demonstrate how the River Authority leverages and diversifies its revenue with other funding sources such as partner and grant funds. These measures were refined and expanded in 2015 to include three financial leverage indices and three project leverage indices. These indices are explained below under General Government - Finance.

### Legend

Calendar Year	CY
Fiscal Year	FY
Performance Measure	PM
Performance Measure Goal ‘Met’	e.g. = 2.9
Performance Measure Goal ‘Not Met’	e.g. = 2.9
Performance Measure Goal ‘Not Established’	e.g. = 2.9

The performance measures are presented here under the Agency Goal.



## Goal: Advance Science and Engineering Expertise and Data

Performance Measure	Department	CY 2017 Actuals	CY 2018 Goal	CY 2018 Results	CY 2019 Goal
Floodplain - structures removed (RHI)	Watershed Engineering	66	300	581	-

**Structures in the Floodplain:** This measure tracks the number of structures removed from the floodplain as delineated by the Federal Emergency Management Agency (FEMA) Digital Flood Insurance Rate Maps (DFIRM). The goal is to reduce the number from 18,906 (the number in 2010) to 9,048 by 2020. Since 2011, 3,116 floodplain structures have been removed.

## Goal: Enable Policy, Projects and Actions

Performance Measure	Department	CY 2017 Actuals	CY 2018 Goal	CY 2018 Results	CY 2019 Goal
Index of Biotic Integrity Value (RHI)	Environmental Sciences	4.1	6.0	4.6	-
Stream Restoration – miles restored (RHI)	Watershed Engineering	0.76	0.50	0	-
Non-Structural CIP projects (RHI)	Watershed Engineering	7	6	8	-
Remove Floatable Debris – avg. day (RHI)	WPO	14	=< 14	14	-
Litter Removed (in pounds)	WPO	147,479	-	110,133	-
Percent Native Plant Coverage (RHI)	WPO	47%	=> 60%	46%	-
Percent Native Plant Diversity (RHI)	WPO	46%	=> 50%	50%	-
Performance Measure	Department	FY 2018 Results	FY 2019 Goal	FY 2019 Results	FY 2020 Goal
Pollution and Environmental Investigations	Environmental Sciences	58	55	72	-
Sample Sites Monitored	Environmental Sciences	85	75	97	-
Laboratory Samples Received	Environmental Sciences	7,247	5,460	5,788	-
Laboratory Clients Served	Environmental Sciences	88	10	11	-

**Biological Monitoring of Fish:** The Index of Biotic Integrity (IBI) assesses data from all biological sampling sites monitored by the River Authority and uses Texas Commission on Environmental Quality (TCEQ) methodology to determine an IBI score. The goal is a 50 percent improvement over 10 years in the IBI scores for sites in the San Antonio River Basin; this equates

to an index score of 5.4. An index of 10 is indicative of all stations meeting their designated Aquatic Life Use as designated by TCEQ. This classifies a stream's condition as exceptional, high, intermediate or limited based upon an array of metrics that reflect water pollution problems in the stream. The higher the score, the better the classification, meaning the better diversity of native species. The Environmental Sciences Department provides water quality and environmental monitoring, laboratory operations services and pollution investigation services to help determine this index value.

**Stream Restoration:** This measure tracks the stream miles that have been restored through various programs and best management practices. The goal is to restore twenty-five stream miles by 2020 (measuring from 2010). A stream is considered restored when its physical, chemical and biological functions are improved. Physical functions might be improved reduction in bank erosion; chemical functions may include increased water quality; and biological functions may be diversity of fish, aquatic insects and other wildlife. Since 2011, 11.76 miles of stream have been restored.

**Non-Structural Capital Improvement Projects (CIP):** This measure tracks capital improvement projects that incorporate non-structural best management practices and/or natural channel design techniques. Examples of these include: bioswales, rain gardens, bioretention, and pervious pavement. The goal is to accomplish twenty-four projects with at least twelve incorporating a best management practice or natural channel design by 2020. Since 2011, 18 non-structural CIP projects have been completed.

**Debris Management:** Litter and debris management is an important focus of the Watershed and Park Operations (WPO) Department. Removal of debris and litter in a timely manner is important to the health of the waterways as well as to the visitors' experiences. The River Authority strives to remove reported debris within thirty days throughout the four county district. Within certain segments, particularly the Eagleland/Mission Reach, the goal is to have no significant floatable debris within fourteen days following a major rain event.

**Native Plant Management Guidelines:** Within the San Antonio River's restored Eagleland and Mission Reach stretches, this measure tracks the objective of meeting or exceeding native plant management guidelines for coverage and species diversity. The goals are sixty percent native vegetation coverage throughout the planted areas, of which a minimum of fifty percent of the original planted species are present and the remaining fifty percent consist of a diverse native plant species distribution.

**Pollution Investigations:** The Environmental Science Department staff conducts field investigations when notified by the public, other public entities, or when environmental concerns are observed during the annual helicopter flyover of the San Antonio River. The results of the investigation are shared with the proper local, state or federal authorities for further investigation and enforcement if warranted. In some instances the River Authority remains engaged in the investigation to support the enforcing authorities and/or to keep the public informed.

**Laboratory Sampling:** The River Authority offers a full service National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory that provides water and soil

testing. The customer base includes River Authority programs and projects as well as external customers – from individual landowners to public entities and private businesses. The performance measures track the number of customers and samples.

**Contact Recreation Standards:** The River Authority determines bacteria levels and compares these to the contact recreation standards (126 or less E. Coli per 100 mL of water) in all segments and tributaries where monitoring is being conducted. The ultimate objective is to meet the standard at all times except within 72 hours of a storm event. A check in the box below means that the stream segment met the standard under these conditions.

Performance Measure	Stream Segments	CY 2017 Actuals	CY 2018 Results	CY 2019 Projected
Stream segments meeting contact recreation standards (RHI)	1901 Lower San Antonio River	√	√	
	1901A Escondido Creek			
	1902 Lower Cibolo Creek	√	√	
	1902A Martinez Creek			
	1902B Salitrillo Creek	√		
	1903 Medina River below Diversion Lake	√	√	
	1905 Medina River above Medina Lake	√	√	
	1905A N. Prong Medina River	√	√	
Environmental Sciences Department	1906 Lower Leon Creek	√	√	
	1908 Upper Cibolo Creek	√	√	
	1910 Salado Creek	√	√	
	1911 Upper San Antonio River	√	√	
	1911B Apache Creek		√	
	1911C Alazan Creek		√	
	1911D San Pedro Creek			
	1912 Medio Creek		√	
			√	

### Goal: Enhance Community Appreciation and Recreation

Performance Measure	Department	FY 2018 Actuals	FY 2019 Goal	FY 2019 Results*	FY 2020 Goal
<u>Social Media Followers</u>					
Facebook	IGCR	10,145	11,160	11,572	-
Twitter	IGCR	14,314	15,745	15,123	-
Instagram	IGCR	1,644	1,805	2,407	-
Performance Measure	Department	CY 2017 Actuals	CY 2018 Goal	CY 2018 Results	CY 2019 Goal
Paddling Trails (miles) (RHI)	WPO	28.7	=> 55	44.6	-
Hike and Bike Trail Counts	WPO	662,817	695,950	615,298	-
Park Vehicle Counts	WPO	23,358	24,520	73,271	-
Park Program Participants (RHI)	WPO	28,564	31,420	25,843	-

**Social Media Followers:** The Intergovernmental and Community Relations (IGCR) Department communicates with, informs and educates the public and increases awareness of the River Authority’s identity, services and projects. Therefore, the River Authority tracks and reports social media followings.

**Park Operations – Trails and Participation:** WPO’s recreation team set goals to increase attendance, improve visitor experience and improve access to the seven River Authority owned and/or managed parks.

**Goal: Maximize Strategic Use of Resources**

Performance Measure	Department	FY 2018 Actuals	FY 2019 Goal	FY 2019 Results*	FY 2020 Goal
<b>Financial Leverage Index (FLI)</b>					
Index 1	Finance	\$1.27	\$1.42	\$1.22	-
Index 2	Finance	\$3.89	\$3.97	\$3.12	-
Index 3	Finance	4%	10%	3%	-
<b>Project Leverage Index (PLI)</b>					
Index 1	Finance	\$2.48	\$1.99	\$1.56	-
Index 2	Finance	7%	10%	6%	-
Index 3	Finance	36%	50%	29%	-
Percentage of vendors paid electronically	Finance	52%	55%	34%	-
Performance Measure	Department	CY 2017 Actuals	CY 2018 Goal	CY 2018 Results	CY 2019 Goal
Sanitary Sewer Overflow (SSO) – Salitrillo System (RHI)	Utilities	0.00	=< 0.31	0.00	-
Sanitary Sewer Overflow (SSO) – Martinez System (RHI)	Utilities	0.00	=< 1.53	0.23	-

\* Reflects actuals prior to completion of annual Comprehensive Annual Financial Report

The financial and project leverage indices were created to demonstrate how the River Authority leverages and diversifies its revenue with other funding sources such as partner and grant funds.

**Financial Leverage Indices:**

**Index 1:** Illustrates how the River Authority performed in revenues not related to partner funded project revenues.

**Index 2:** Illustrates how the River Authority leverages funding sources in comparison to property tax revenue; includes all revenue, partner funded projects, special revenues, grants, etc.

**Index 3:** Illustrates how the River Authority diversifies funding through the acquisition of grants.

**Project Leverage Indices:**

**Index 1:** Illustrates how the River Authority performed in securing funding from partners for new projects beyond what is received in tax revenue.

**Index 2:** Illustrates how the River Authority performed in securing outside committed resources as a percent of the overall projects’ budgets.

**Index 3:** Illustrates how the River Authority is spending project funds, or how effectively projects are advancing, as a percent to the overall projects funding.

**Electronic Payment of Vendors:** Finance monitors the percentage of vendors paid electronically. The goal is to increase this percent annually to improve payment services to both the vendor and River Authority.

**Sanitary Sewer Overflows:** The River Authority currently operates and maintains two distinct sanitary sewer systems that include collections systems as well as wastewater treatment plants. The utility staff works diligently to manage and reduce sanitary sewer overflows (SSO). SSO is when untreated sewage is discharged from a sanitary sewer collection system into the environment prior to reaching a sewage treatment facility.

**Goal: Inspire Employees and Build Expertise**

The Human Resources department has identified safety and risk management as a key performance metric to monitor for continuous improvement. Three indicators that demonstrate performance in this area of operations are workers compensation claims, costs, and the experience modifier. The experience modifier is defined as the annual premium adjustment based upon previous year loss experience.

Performance Measure	Department	FY 2018 Actuals	FY 2019 Goal	FY 2019 Results	FY 2020 Goal
Workers Compensation – Cost	Human Resources	\$4,891	\$14,775	\$44,057	-
Workers Compensation – Claims	Human Resources	8	=<14	13	-
Experience Modifier	Human Resources	0.96	=<1.0	.94	-



## San Antonio River Authority Financial Policies

The River Authority’s policies and guidelines are established through an extensive review and approval process. Generally, the department responsible for the function(s) guided by the policy or guideline drafts the initial document. The draft is then reviewed by the management and executive teams for their input. Managers are responsible for garnering input from their staffs to make the process as inclusive as possible. Once a final draft is completed, guidelines are approved and signed by the General Manager. Policies are approved by the General Manager in some cases and by the Board of Directors in other instances. Policies are taken to the Board of Directors for consideration when they impact Board functions that may be outlined in the River Authority bylaws and/or when they may have a fiscal impact (e.g. such as approval of grant applications). Board approval is sought through the regular open meetings process with an item placed on the Board’s agenda.

Listed below are the long-term River Authority’s Financial Policies. Policies can be viewed online at <https://www.sara-tx.org/transparency/financial-policies>.

<u>Policy Name</u>	<u>Purpose</u>	<u>Approved by Board of Director’s</u>
Fund Balance Policy	Establishes guidelines for the allocation and use of River Authority fund balances.	Yes
Investment Policies and Strategies	Establishes guidelines to invest public funds in a manner which will provide the maximum security for the investment portfolio, while working to yield the highest reasonable investment return and meeting daily cash flow demands.	Yes
Obligation and Disbursement of Funds	Establishes guidelines for budgeting and cash management.	No
Notes Receivable Policy	Establishes guidelines for recording, collecting, and writing off bad debts.	Yes
Fixed Assets	Defines and tracks major capital assets.	No
Grants Management	Provides direction regarding for, managing, maintaining, and reporting on grants awarded to the River Authority to ensure compliance with all applicable guidelines, procedures and requirements – both the River Authority’s and the granting agencies – and to ensure timely and accurate billings to the grantor.	Yes

## Glossary

**Accounting System:** The total set of records and procedures which are used to record, classify and report information on the financial status and operations of an entity.

**Accrual:** Accounts on a balance sheet that represent liabilities, a non-cash-based asset used in accrual based accounting.

**Activity:** A specific unit of work or service.

**Appropriation:** An authorization adopted by the San Antonio River Authority Board of Directors (Board) which allows staff to incur obligations and make expenditures of governmental resources. An appropriation is typically granted for periods of one year or a project's life and specified for fixed amounts.

**Assessed Valuation:** An estimated value placed upon real and personal property by the appraisal districts as the basis for levying property taxes.

**Assets:** An economic resource. Tangible or intangible property owned by the San Antonio River Authority (River Authority) for which a monetary value has been set either through the purchase of the item, the assets have a set monetary value, such as cash, can be converted into cash or through a market assessment study.

**Audit:** A systematic examination of resource utilization. The audit is a test of management's internal accounting controls and is intended to verify financial positions and the legality of transactions; to identify improvements in accounting systems and accuracy and consistency of transactions; and to certify the stewardship of officials responsible for governmental funds.

**Authorized Positions:** All positions authorized by the Board for each office and department. This includes full time, part time and seasonal positions.

**Balance Sheet:** A statement purporting to present the financial position of the River Authority by disclosing the assets, liabilities, and fund balance as of a specified date.

**Balanced Budget:** A budget in which planned expenditures on personnel, goods, services and debt are met by income from taxation, user fees and other governmental receipts.

**Base Budget:** Ongoing expenses for personnel, contractual services, supplies, and equipment required to maintain the same level of service as previously authorized by the Board.

**Best Management Practices (BMP):** As defined by the Environmental Protection Agency, BMP's are schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters of the United States. BMPs also include treatment requirements, operating procedures, and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.

**Board of Directors:** The twelve member elected board of the San Antonio River Authority. Four members are elected from four districts in Bexar County; two members are elected county-wide in Bexar County (at large); and two members are elected by each of the other three counties in the San Antonio River Authority's district – Karnes, Wilson and Goliad counties. The board members serve six year terms and there are no term limits. The chair and other officer and committee positions are selected by the Board.

**Bond:** Bonds are used as long-term debt instruments to pay for capital improvements. A bond is a written promise to pay a specified sum of money (principal) at a specified future date (maturity date), as well as periodic interest paid at a specified percentage of the principal (interest rate).

**Bond Rating:** The credit-worthiness of the River Authority's debt as evaluated by independent agencies.

**Budget (Operating):** A financial and operating plan approved by the Board to authorize levels of taxing, user charges and spending. The plan consists of an estimate of proposed expenditures or expenses for a fiscal year and an estimate of proposed revenues for the same period needed to provide River Authority services. The term is also used to identify the officially approved expenditure levels under which the River Authority and its departments operate.

**Budget Calendar:** The schedule of key target dates which the River Authority follows in the preparation and adoption of the budget.

**Budget Document:** An instrument or document presented by the River Authority's General Manager to the Board to describe the level of taxing, user charges, spending and the level of services to be provided during a certain fiscal year to the citizens of the district. The document is a comprehensive financial program.

**Budget Letter:** It is a communication from the River Authority's General Manager to the Board and the citizens of the district regarding recommendations relating to those issues that they believe will affect the community. It is the general discussion of the proposed budget presented in writing as a part of the budget document.

**Budgeted Revenue:** The amount of projected revenue to be collected during the budget fiscal year.

**Capital Assets (Fixed Assets):** Assets of significant value (\$5,000 or greater individually) which have a useful life of more than one year.

**Capital Expenditures:** The expenditure group used to fund capital purchases such as furniture, computers, vehicles and heavy equipment where the individual item costs more than \$5,000. Purchases made from the capital expenditures group become fixed assets of the River Authority.

**Capital Improvement Program - CIP:** A multi-year plan for capital project expenditures which sets forth each proposed capital project, identifies the expected cost for each project and the amount to be expended on the improvement.



**Capital Improvements Project Activity:** A Capital Improvements Project Activity is one of the following groups of actions usually undertaken in a capital improvements project: planning, design and engineering; right-of-way acquisition; construction; and the purchase of equipment.

**Carry Forward Balance:** The difference of revenues and expenditures within the same fund transferred to fund balance from one fiscal year to the next.

**Cash Management:** The management of cash necessary to fund government services while investing available cash to earn interest revenue. Cash management refers to the activities of forecasting the inflows and the outflows of cash, mobilizing cash to improve its availability for investment, establishing and maintaining banking relationships, and investing funds to achieve the highest interest and return available for temporary cash balances.

**Commodities:** Items of expenditure which, after use, are consumed or show a material change in their physical condition. Commodities are generally of limited value and are characterized by rapid consumption (i.e.: office supplies, motor fuel, etc.).

**Contingencies:** The expenditure group that includes all funding such as undesignated funds and monies set aside for salary increases.

**Contingency:** A budgetary reserve set aside for emergencies or unforeseen expenditures.

**Contractual Services:** Items of expenditure from services the River Authority receives from an outside company through a contractual agreement.

**Current Taxes:** Property taxes that are levied and due within one year.

**Debris:** The remains of something broken down or destroyed that is in the river and/or its tributaries that needs to be removed.

**Debt Service:** The obligation to pay the principal and interest of all bonds and other debt instruments according to a pre-determined payment schedule.

**Delinquent Taxes:** Taxes which are unpaid after the due date, in which a penalty is assessed for non-payment.

**Department:** A major administrative division of the River Authority that indicates overall management responsibility for the operation of a group of related functions.

**Depreciation:** Expiration in the service life of capital assets attributable to wear and tear, deterioration, physical elements, inadequacy, or obsolescence. Depreciation is also the portion of the cost of a capital asset which is charged as an expense during a particular accounting period. Depreciation is applied to assets in enterprise funds and internal service funds.

**Effort:** An effort is a type of work that is categorized under a goal or department that does not meet the Project definition. Work can be cross-departmental or within a single department. An Effort may have a need to maintain financial or resource capacity reporting information. An Effort should have a start and end date with any applicable budget authorized within the department(s). Efforts are included in the department narratives within the Annual Budget Detail book.

**Encumbrances:** Obligations in the form of purchase orders, contracts, or other commitments which are reserved in specified appropriations. Encumbrances cease to exist when an invoice is paid or when an actual liability is established.

**Enterprise Fund:** A fund used to account for operations that are financed and operated in a manner similar to private business enterprises where the intent of the governing body is to recover the cost of providing goods or services through fees. Rate schedules for these services are established so that revenues are adequate to meet all necessary expenses including debt service for capital costs.

**Estimate:** The estimated actual expenditures and revenues for the fiscal year prior to the end of the budget fiscal year. Used to determine the Carry Forward Balance.

**Expenditure Group:** A grouping of like expenditures used to exercise budgetary control. For example, the Personnel Expenditures group includes salaries, social security and Medicare, retirement, group health insurance, group life insurance and workers compensation. A department can over run an individual line item as long as the expenditure group remains within budget.

**Expenditures:** The cost of goods and services rendered.

**Fiscal Year:** The time period designated by the River Authority signifying the beginning and ending periods for recording financial transactions. The River Authority has designated July 1 to June 30 as its fiscal year.

**Flow Meter:** A device used to measure the flow rate or quantity of a gas or liquid moving through a pipe. The San Antonio River Authority uses flow meters to measure wastewater flow.

**Fund:** An independent fiscal and accounting entity with a self-balancing set of accounts, identifiable revenue sources and expenditures. Funds are segregated for the purpose of completing specific activities or attaining certain objectives.

**Fund Balance:** The excess of an entity's revenues over expenditures and encumbrances since the inception of the fund. This number should equal the difference between the revenues and the expenditures reported in a governmental fund. This fund balance is available for emergencies or unforeseen expenditures when appropriated by the Board.

**Geographic Information Systems (GIS):** Used to visualize, question, analyze, and interpret data to understand relationships, patterns, and trends. Includes data collection, geospatial tool development and spatial analysis to support decision making and complex problem solving.

**Goal:** A Goal refers to one of five Strategic Plan Goals that are established to advance the vision and mission of the River Authority. Projects and efforts are assigned to Goals that are managed and monitored by selected Goal Leaders to obtain benefits not available from managing them individually. Goal Leaders typically oversee multiple projects and efforts that align to a particular agency Goal and help facilitate collaboration and coordination that may result in benefits for activities that overlap one another.

**Governmental Accounting Standards Board – GASB:** The current source of generally accepted accounting principles used by state and local governments as well as the River Authority in the United States. GASB is a private, non-governmental organization.

**General Fund:** The largest fund within the River Authority, the General Fund accounts for most of the financial resources of the government which may be used for any lawful purpose. General Fund revenues include property taxes, charges for services, support fees and other types of revenue. The General Fund usually includes most of the basic operating services.

**Governmental Fund:** Funds used to account for all or most of the River Authority’s general activities and services.

**Inflow and Infiltration (I&I):** Water entering sanitary sewers from inappropriate connections is *inflow*. Typical sources include sump pumps, roof drains, cellar drains, and yard drains where urban features prevent surface runoff, and storm drains are not conveniently accessible or identifiable.

Groundwater entering sanitary sewers through defective pipe joints and broken pipes is *infiltration*. Pipes may leak because of careless installation; they may also be damaged after installation by differential ground movement, heavy vehicle traffic on roadways above the sewer, careless construction practices in nearby trenches, or degradation of the sewer pipe materials. In general, volume of leakage will increase over time. Damaged and broken sewer cleanouts are a major cause of infiltration. Infiltration will occur where local groundwater elevation is higher than the sewer pipe.

**Intergovernmental Revenue:** Revenue received from another government for a specified purpose.

**Internal Service Fund:** Funds utilized to account for the financing of goods or services provided by one department or office to other departments or offices within a government. The Insurance Fund is the River Authority’s only internal service fund.

**Investment:** Securities and real estate purchased and held for the production of income in the form of interest, dividends, rentals, or base payments received.

**Liability:** Debt or other legal obligations arising out of transactions for goods and services received in the past which must be liquidated, renewed, or refunded at some future date. A liability does not include encumbrances.

**Litter:** Trash, such as paper, cans, and bottles that are left lying in an open or public place

**Long-Term Debt:** Debt amount with maturity of more than one year.

**Low Impact Development (LID):** Systems and practices that use or mimic natural processes that result in the infiltration, evapotranspiration or use of stormwater to protect water quality and associated aquatic habitat.

**Maturities:** The dates on which the principal or stated values of investments or debt obligations mature and may be reclaimed.

**Major Fund:** Any fund that the River Authority believes to be of particular importance to the users of the financial statements either because of the nature of the fund or because it meets the “size” criteria set by GASB. The General Fund, by definition, is reported as and/or considered a major fund. If any fund meets the “size” criteria it should be designated as a major fund. It states:

- 1) Ten percent criterion: An individual fund that reports at least 10 percent of any of the following:
  - a. Total government fund assets
  - b. Total government fund liabilities
  - c. Total government fund revenues
  - d. Total government fund expenditures
  
- 2) Five percent criterion: An individual governmental fund reports at least 5 percent of the aggregate total for both governmental funds and enterprise funds of any one of the items for which it met the 10 percent criteria.

**New Resources:** Requests submitted by departments during the budget preparation process to change the level of service or method of operation. Generally, these requests are for additional resources including personnel, but may take the form of program reductions or elimination.

**OPEB:** Other Post-Employment Benefits which are accounting and financial reporting provisions requiring government employers (under GASB) to measure and report the liabilities associated with other (than pension) post-employment benefits. A major category of OPEB is retiree medical insurance benefits.

**Operating Expenditures:** The expenditure group that includes all payments for services. Examples of expenses included in this group are: postage, utilities, professional services, supplies, parts, and vehicle repair and maintenance.

**Operating Funds:** Resources derived from recurring revenue sources used to finance ongoing operating expenditures.

**Operating Reserve:** The Operating Reserve is available, if necessary: to cover unexpected expenditures and/or revenue shortfalls; to react to unforeseen and/or extraordinary occurrences (for example a flood); to provide sufficient cash flow for operations, to protect the River

Authority's strong financial position, to weather economic downturns, or for other appropriate needs as determined by the Board of Directors.

The River Authority's General Fund and all utility system(s) operating funds will set a target to maintain a minimum of 25 percent (three months) of the annual budgeted operating expenses as an operating reserve. Operating expenses to be included in the determination of the appropriate level of the reserve include personnel and operating supplies and contracts. Expenses not included in the reserve calculation are project related expenditures and transfers to other funds. The Operating Reserve will have as a target maintaining a reserve at 25 percent of the annual budgeted operating expenses as defined here and will be fully funded before any other fund balance reserves are increased. However, commitments to repay other fund balance reserves will be met regardless of the current balance in the Operating Reserve.

**Performance Measures:** Specific quantitative measures of work performed within an activity or program. Types of performance indicators include workload, efficiency (output), effectiveness (outcome) and productivity indicators.

**Personnel Expenditures:** The expenditure group that includes all personnel related costs such as salaries, social security and Medicare, retirement, group health insurance, group life insurance and workers compensation premiums.

**Project:** A project is a temporary endeavor undertaken to create a unique product, service, or result that meets a specific objective. A Project's cost threshold is \$75,000 or greater, and has a duration of one year or longer. Projects require Board of Director approval. All projects are entered into the River Authority's project management software system and are managed in a consistent fashion.

**Reconciliation:** A detailed summary of increases and decreases in departmental expenditures from one budget year to another.

**Reserve:** An account used to indicate that part of a fund's assets are legally reserved for a specific purpose.

**Resources:** Total dollars available for appropriations including estimated revenues, fund transfers, and beginning fund balances.

**Retail Wastewater System:** Wastewater collection and treatment services provided to the ultimate consumer for compensation.

**Revenue:** The funds collected by a government.

**Revenue Bonds:** Government-issued bonds which do not pledge the full faith and credit of the jurisdiction, and must therefore rely on operating revenues other than property taxes to repay the bonded indebtedness. These bonds are used by the River Authority's wastewater utility.

**Revenue Estimate:** A formal estimate of how much revenue will be earned from a specific revenue source for the upcoming budget period.

**Risk Management:** An organized attempt to protect a government's assets against accidental loss.

**Shortfall:** The excess of expenditures over revenues during a single accounting period.

**Stormwater:** Stormwater is water that originates during precipitation events and snow/ice melt. Stormwater can soak into the soil (infiltrate), be held on the surface and evaporate, or run off and end up in nearby streams, rivers, or other water bodies (surface water).

**Tax Levy (Property):** The total amount to be raised by general property taxes for operating purposes.

**Tax Rate (Property):** The amount of tax levied for each \$100 of assessed valuation.

**Tax Rate Limit:** The maximum legal property tax rate at which the River Authority may levy a tax. For the River Authority, this is statutorily set at 2 cents per \$100 of assessed valuation.

**Tax Increment Reinvestment Zone – TIRZ:** Economic development tool used to foster development. Developer pays for and constructs public infrastructure and is then reimbursed for the expenditure once the commercial activity within the designated zone generates sufficient revenue to support repayment either through current revenues or debt issuances.

**Tracking:** A type of work that is categorized under a department that does not meet the Effort definition. Work can be cross-departmental or within a single department. Revenues and Expenditures are tracked when there is a need to maintain financial or resource capacity reporting information for work that is operational in nature and does not have clear start and end date.

**Transfers:** The expenditure group used to account for transfers between funds.

**Trash:** Discarded matter; refuse.

**Unrestricted Reserve:** The River Authority maintains reserve funds that can be used for purposes that assist the River Authority's mission. This may include funding projects and asset acquisition. These funds' use includes but is not limited to: completing capital projects, funding studies, purchasing assets, and executing loans to move projects forward sooner as well as other activities approved by the River Authority Board of Directors. These funds should be used to support the River Authority's strategic plan goals and objectives. Use of these funds is at the discretion of the River Authority Board of Directors. This reserve is accounted for in a fund separate from the General Fund.

**Wastewater:** Water that has been used in the home, in a business, or as part of an industrial process. Wastewater can originate from a combination of domestic, industrial, commercial or agricultural activities, surface runoff or stormwater, and from sewer inflow or infiltration.

**Wastewater Collection System:** These systems gather the used water from homes, businesses and industries and convey it to a wastewater treatment plant. This type of system is also called a sanitary sewer system.

**Wastewater Treatment Plant:** A facility that provides wastewater treatment which is a process used to convert wastewater - which is water no longer needed or suitable for its most recent use - into an effluent that can be either returned to the water cycle with minimal environmental issues or reused.

**Water Reuse:** Reusing treated wastewater for beneficial purposes such as agricultural and landscape irrigation, industrial processes, toilet flushing, and replenishing a ground water basin (referred to as ground water recharge). Water recycling offers resource and financial savings.

**Wholesale Wastewater System:** Collects and treats wastewater on behalf of another public entity who is not the ultimate consumer of the services; does not provide service connections or billing to the individual end user. For the San Antonio River Authority, the wholesale customers are small municipalities.

**Yield:** The rate earned on an investment based on the price paid for the investment.



## Abbreviations & Acronyms

AFB	–	Air Force Base
BBASC	–	Basin and Bay Stakeholder Committee
BCCIP	–	Bexar County Capital Improvement Program
BMPs	–	Best Management Practices
BRWM	–	Bexar Regional Watershed Management
BST	–	Bacterial Source Tracking
CRP	–	Clean Rivers Program
CTP	–	Cooperating Technical Partners
DFIRM	–	Digital Flood Insurance Rate Map
EAA	–	Edwards Aquifer Authority
EDYS	–	Ecosystem Dynamic Simulation
EGIS	–	Enterprise Geographical Information System
FEMA	–	Federal Emergency Management Agency
FWRS	–	Flood Warning and Response System
GIS	–	Geographic Information System
GPD	–	Gallons per Day
GWSW	–	Ground Water Surface Water
HEC	–	Hydrologic Engineering Center
IBI	–	Index of Biotic Integrity
ICM	–	Integrated Catchment Modeling
IGCR	–	Intergovernmental/Community Relations
ILA	–	Interlocal Agreement
LEED	–	Leadership in Energy and Environmental Design
LID	–	Low Impact Development
LIDAR	–	Light Detection and Ranging
LOMR	–	Letter of Map Revision
LSAR	–	Lower San Antonio River
MGD	–	Million Gallons per Day
MROC	–	Mission Reach Operations Center
NCD	–	Natural Channel Design
NPS	–	National Park Service
NRCS	–	Natural Resources Conservation Service
O&M	–	Operations and Maintenance
PCB	–	Polychlorinated biphenyls
QA/QC	–	Quality Assurance/Quality Control
RFP	–	Request for Proposal
RFQ	–	Request for Qualifications
RO	–	Reverse Osmosis
RWRDG	–	Regional Water Resource Development Group
SACIP	–	San Antonio Capital Improvement Projects
SAHA	–	San Antonio Housing Authority
SAR	–	San Antonio River
SARA	–	San Antonio River Authority (the River Authority)
SARB	–	San Antonio River Basin
SARIP	–	San Antonio River Improvements Project
SCADA	–	Supervisory Control and Data Acquisition
SCTRWPG	–	South Central Texas Regional Water Planning Group
SR	–	Stream Restoration
TBL	–	Triple Bottom Line
TCEQ	–	Texas Commission on Environmental Quality
TIF	–	Tax Increment Financing
TIRZ	–	Tax Increment Reinvestment Zone
TWDB	–	Texas Water Development Board
TxDOT	–	Texas Department of Transportation
UDC	–	Unified Development Code
USACE	–	US Army Corps of Engineers
USDA	–	US Department of Agriculture
USGS	–	US Geological Survey
WSC	–	Water Supply Corporation
WSM	–	Watershed Management
WSMP	–	Watershed Master Plan
WSO	–	Watershed Operations
WW	–	Wastewater
WWTP	–	Wastewater Treatment Plant